JVC

SERVICE MANUAL

LCD PANEL TELEVISION

LT-32X667/Z, LT-32X787/Z, LT-32X887/Z

BASIC CHASSIS
FL4

I'Art PALETTE
GENESSA
HDMI
HIGH-DEFINITION MULTIMEDIA INTERFACE
i. HDTV
DCR
DOLBY DIGITAL

[LT-32X787/Z]

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No.YA428
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SPECIFICATION

Items		Contents
Dimensions (W × H × D)		80.0 cm × 58.9 cm × 26.8 cm (31-1/2" × 23-1/4" × 10-5/8") [Included stand] 80.0 cm × 54.5 cm × 13.8 cm (31-1/2" × 21-5/8" × 5-1/2") [Included stand]
Mass		17.4 kg (38.3 lbs) [Included stand] 15.9 kg (35.0 lbs) [TV only]
Power Input		AC120 V , 60 Hz
Power Consumption		160 W (Max)
TV RF System (Analog / Digital)	Analog	CCIR (M)
	Digital	ATSC terrestrial / Digital cable
Color System (Analog)		NTSC
Stereo System (Analog)		BTSC (Multi Channel Sound)
Teletext System (Analog)		Closed caption (T1-T4 / CC1-CC4)
TV Receiving Channels and Frequency (Analog)	VHF Low	02 ch - 06 ch : 54 MHz - 88 MHz
	VHF High	07 ch - 13 ch : 174 MHz - 216 MHz
	UHF	14 ch - 69 ch : 470 MHz - 806 MHz
	CATV	54 MHz - 804 MHz Low Band : 02 - 06 High Band : 07 - 13 Mid Band : 14 - 22 Super Band : 23 - 36 Hyper Band : 37 - 64 Ultra Band : 65 - 94, 100 - 135 Sub Mid Band : 01, 96 - 99
TV / CATV Total Channel		191 Channels
Intermediate Frequency (Analog)	Video IF	45.75 MHz
	Sound IF	41.25 MHz (4.5 MHz)
Color Sub Carrier Frequency (Analog)		3.58 MHz
LCD panel		32V-inch wide aspect (16:9)
Screen Size		Diagonal : 80 cm (H:69.7 cm × V :39.2 cm)
Display Pixels		Horizontal : 1366 dots × Vertical : 768 dots (W-XGA)
Audio Power Output		10 W + 10 W
Speaker		5.5 cm × 15 cm, Oval type × 2
Antenna Terminal (VHF/UHF, ATSC / DIGITAL CABLE IN)		F-type connector, 75Ω unbalanced, coaxial × 1
Video / Audio input [INPUT-1/2/3]	Component Video [INPUT-1]	RCA pin jack × 3
	1125i / 750p	Y : 1 V (p-p) (Sync signal: 0.35V(p-p), 3-value sync.), 75 Ω Pb/Pr : ±0.35V(p-p), 75 Ω
	525p / 525i	Y : 1 V (p-p), Positive (Negative sync provided), 75 Ω Cb/Cr : 0.7V(p-p), 75 Ω
	S-Video [INPUT-1/2]	Mini-DIN 4 pin × 2 Y: 1 V (p-p), Positive (Negative sync provided), 75 Ω C: 0.286V (p-p) (Burst signal), 75 Ω
	Video	1 V (p-p), Positive (Negative sync provided), 75 Ω, RCA pin jack × 3
	Audio	500 mV (rms), High impedance, RCA pin jack × 6
Digital input [DIGITAL-IN 1/2]	Video	HDMI 2-row 19pin connector × 2 (Digital-input terminal is not compatible with picture signals of personal computer)
	Audio	Digital: HDMI 2-row 19pin connector × 2 Anarog: 500mV(rms) (-4dBs), high impedance, RCA pin jack × 2
PC (RGB) Input		D-sub 3-row 15pin × 1 R/G/B : 0.7V (p-p), 75Ω HD / VD : 1V (p-p) to 5V (p-p), high impedance < Available signal > VGA : 640 pixels × 480 pixels (Horizontal : 31.5kHz / Vertical : 60Hz) XGA : 1024 pixels × 768 pixels (Horizontal : 48.4kHz / Vertical : 60Hz)
Audio output		250 mV (rms), Low impedance, RCA pin jack × 2
iLink Input/Output		TS In/Out (4-pin, S400) × 2, IEEE1394 compliant DTCP digital copy protection compatible
Digital Audio Optical Output		Digital SPDIF × 1
Headphone		3.5 mm stereo mini jack × 1
Remote Control Unit		RM-C18G (AA/R6 / UM-3 battery × 2)

Design & specifications are subject to change without notice.

SECTION 1
PRECAUTION

1.1 SAFETY PRECAUTIONS

(1) The design of this product contains special hardware, many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.

(2) Alterations of the design or circuitry of the products should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.

(3) Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the parts list of Service manual. **Electrical components having such features are identified by shading on the schematics and by (⚠) on the parts list in Service manual**. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the parts list of Service manual may cause shock, fire, or other hazards.

(4) **Don't short between the LIVE side ground and ISOLATED (NEUTRAL) side ground or EARTH side ground when repairing.**
Some model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : (⊥) side GND, the ISOLATED (NEUTRAL) : (⏚) side GND and EARTH : (⊜) side GND.
Don't short between the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND and never measure the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND at the same time with a measuring apparatus (oscilloscope etc.). If above note will not be kept, a fuse or any parts will be broken.

(5) When service is required, observe the original lead dress. Extra precaution should be given to assure correct lead dress in the high voltage circuit area. Where a short circuit has occurred, those components that indicate evidence of overheating should be replaced. Always use the manufacturer's replacement components.

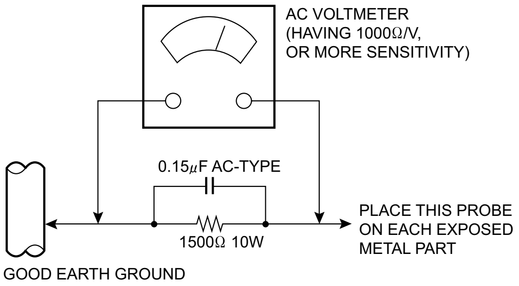
(6) **Isolation Check (Safety for Electrical Shock Hazard)**
After re-assembling the product, always perform an isolation check on the exposed metal parts of the cabinet (antenna terminals, video/audio input and output terminals, Control knobs, metal cabinet, screw heads, earphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.

a) **Dielectric Strength Test**
The isolation between the AC primary circuit and all metal parts exposed to the user, particularly any exposed metal part having a return path to the chassis should withstand a voltage of 3000V AC (r.m.s.) for a period of one second. (. . . . Withstand a voltage of 1100V AC (r.m.s.) to an appliance rated up to 120V, and 3000V AC (r.m.s.) to an appliance rated 200V or more, for a period of one second.)
This method of test requires a test equipment not generally found in the service trade.

b) **Leakage Current Check**
Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground (water pipe, etc.). Any leakage current must not exceed 0.5mA AC (r.m.s.).
However, in tropical area, this must not exceed 0.2mA AC (r.m.s.).

Alternate Check Method

Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Use an AC voltmeter having 1000Ω per volt or more sensitivity in the following manner. Connect a 1500Ω 10W resistor paralleled by a 0.15μF AC-type capacitor between an exposed metal part and a known good earth ground (water pipe, etc.). Measure the AC voltage across the resistor with the AC voltmeter. Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75V AC (r.m.s.). This corresponds to 0.5mA AC (r.m.s.).
However, in tropical area, this must not exceed 0.3V AC (r.m.s.). This corresponds to 0.2mA AC (r.m.s.).



1.2 INSTALLATION

1.2.1 HEAT DISSIPATION

If the heat dissipation vent behind this unit is blocked, cooling efficiency may deteriorate and temperature inside the unit will rise. The temperature sensor that protects the unit will be activated when internal temperature exceeds the pre-determined level and power will be turned off automatically.Therefore, please make sure pay attention not to block the heat dissipation vent as well as the ventilation outlet behind the unit and ensure that there is room for ventilation around it.

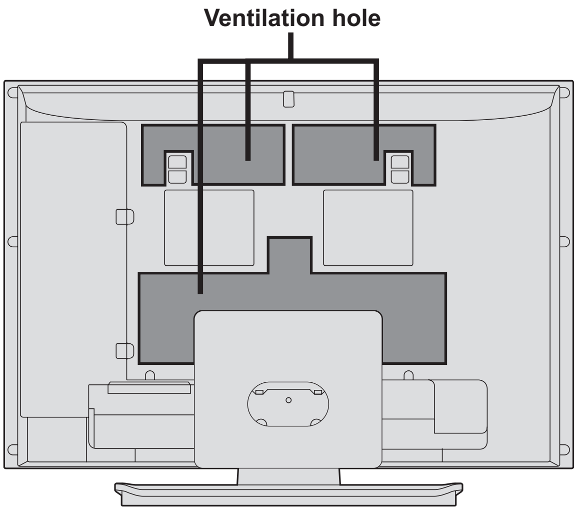


*Diagram differs from actual appearance.

1.2.2 INSTALLATION REQUIREMENTS

Ensure that the minimal distance is maintained, as specified below, between the unit with and the surrounding walls, as well as the floor etc.Install the unit on stable flooring or stands.Take precautionary measures to prevent the unit from tipping in order to protect against accidents and earthquakes.

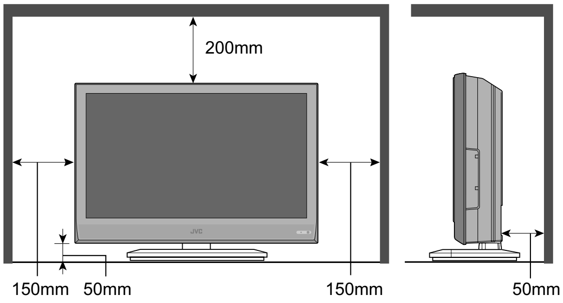


*Diagram differs from actual appearance.

1.2.3 INSTALLATION REQUIREMENTS

To ensure safety in an emergency such as an earthquake, and to prevent accidents, ensure that measures are taken to prevent the TV dropping or falling over.

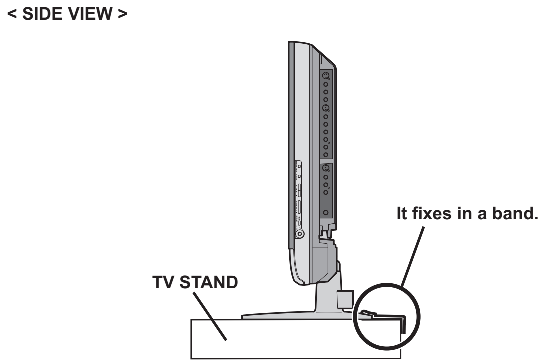


*Diagram differs from actual appearance.

1.2.4 NOTES ON HANDLING

(1) WHEN TAKING UNIT OUT OF A PACKING CASE
When taking the unit out of a packing case, do not grasp the upper part of the unit. If you take the unit out while grasping the upper part, the LCD PANEL may be damaged because of a pressure. Instead of grasping the upper part, put your hands on the lower backside or sides of the unit.

(2) AS FOR PRESSING OR TOUCHING A SPEAKER
Be careful not to press the opening of the speaker in the lower part of the unit and around them since the decorative sheet on the surface of the openings may be deformed.

1.3 HANDLING LCD PANEL

1.3.1 PRECAUTIONS FOR TRANSPORTATION

When transporting the unit, pressure exerted on the internal LCD panel due to improper handling (such as tossing and dropping) may cause damages even when the unit is carefully packed. To prevent accidents from occurring during transportation, pay careful attention before delivery, such as through explaining the handling instructions to transporters.

Ensure that the following requirements are met during transportation, as the LCD panel of this unit is made of glass and therefore fragile:

(1) USE A SPECIAL PACKING CASE FOR THE LCD PANEL
When transporting the LCD panel of the unit, use a special packing case (packing materials). A special packing case is used when a LCD panel is supplied as a service spare part.

(2) ATTACH PROTECTION SHEET TO THE FRONT
Since the front (display part) of the panel is vulnerable, attach the protection sheet to the front of the LCD panel before transportation. Protection sheet is used when a LCD panel is supplied as a service spare part.

(3) AVOID VIBRATIONS AND IMPACTS
The unit may be broken if it is toppled sideways even when properly packed. Continuous vibration may shift the gap of the panel, and the unit may not be able to display images properly. Ensure that the unit is carried by at least 2 persons and pay careful attention not to exert any vibration or impact on it.

(4) DO NOT PLACE EQUIPMENT HORIZONTALLY
Ensure that it is placed upright and not horizontally during transportation and storage as the LCD panel is very vulnerable to lateral impacts and may break. During transportation, ensure that the unit is loaded along the traveling direction of the vehicle, and avoid stacking them on one another. For storage, ensure that they are stacked in 2 layers or less even when placed upright.

1.3.2 OPTICAL FILTER (ON THE FRONT OF THE LCD PANEL)

(1) Avoid placing the unit under direct sunlight over a prolonged period of time. This may cause the optical filter to deteriorate in quality and color.

(2) Clean the filter surface by wiping it softly and lightly with a soft and lightly fuzz cloth (such as outing flannel).

(3) Do not use solvents such as benzene or thinner to wipe the filter surface. This may cause the filter to deteriorate in quality or the coating on the surface to come off. When cleaning the filter, usually use the neutral detergent diluted with water. When cleaning the dirty filter, use water-diluted ethanol.

(4) Since the filter surface is fragile, do not scratch or hit it with hard materials. Be careful enough not to touch the front surface, especially when taking the unit out of the packing case or during transportation.

1.3.3 PRECAUTIONS FOR REPLACEMENT OF EXTERIOR PARTS

Take note of the following when replacing exterior parts (REAR COVER, FRONT PANEL, etc.):

(1) Do not exert pressure on the front of the LCD panel (filter surface). It may cause irregular color.

(2) Pay careful attention not to scratch or stain the front of the LCD panel (filter surface) with hands.

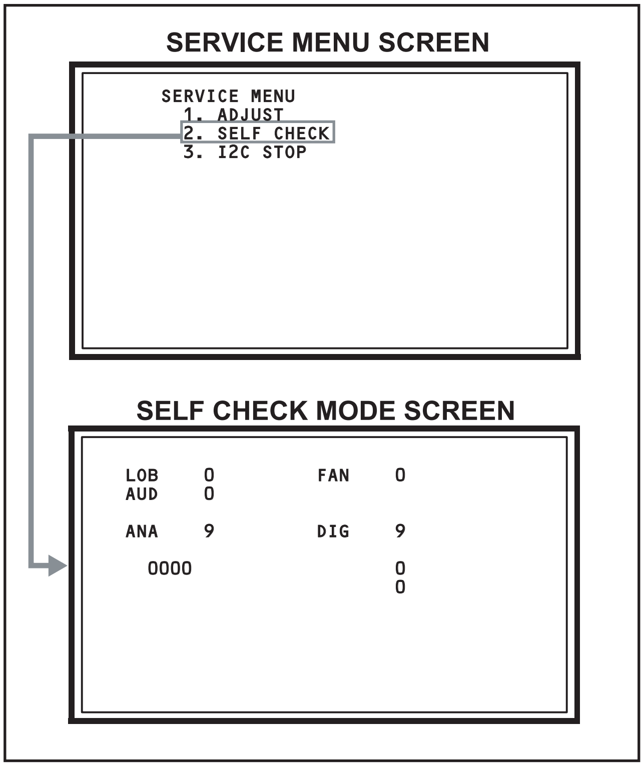
(3) When replacing exterior parts, the front (LCD panel) should be placed facing downward. Place a mat, etc. underneath to avoid causing scratches to the front (filter surface).

SECTION 2
SPECIFIC SERVICE INSTRUCTIONS

2.1 SYSTEM SETTEING

Be sure to carry out the following operation at the end of the procedure.

(1) Set to 0 minutes using the **[SLEEP TIMER]** key.
(2) Press the **[VIDEO STATUS]** key and **[DISPLAY]** key simultaneously, then enter the SERVICE MODE.
(3) When the Main Menu is displayed, press **[2]** key to enter the self check mode.
(4) Turn off the power by pressing the **[POWER]** key on the remote control unit.


SERVICE MENU SCREEN

SELF CHECK MODE SCREEN

```
LOB   0        FAN   0
AUD   0

ANA   9        DIG   9

  0000               0
                     0
```

2.2 FEATURES

D.I.S.T. (Digital Image Scaling Technology)
This system uses line interpolation to double the number of scanning lines and achieve high resolution, flicker-free picture.

Color Management
This function ensures dull colors are compensated to produce natural hues.

Picture Management
This function makes it easier to see the dark areas when a picture has many dark areas, and makes it easier to see the bright areas when a picture has many bright areas.

Smart Picture
This function detects the APL (Average Picture Level) and adjusts the contrast suitable for what you are watching.

DIGITAL VNR
This function cuts down the amount of noise in the original picture.

MPEG Noise Reduction
This function effects the block noise removal and mosquito NR simultaneously.

Sensor Effect
With Sensor Effect ON, a "leaf" icon will appear on your TV screen when Smart Sensor brightness adjustment occurs.

2.3 MAIN DIFFERENCE LIST

Item	LT-32X667/Z	LT-32X787/Z	LT-32X887/Z
FRAME COLOR	SILVER	SILVER	BRACK
GRILL COLOR	BRACK	SILVER	BRACK
VIDEO SMART INPUT	NO	YES	←

2.4 TECHNICAL INFORMATION

2.4.1 LCD PANEL

This unit uses the flat type panel LCD (Liquid Crystal Display) panel that occupies as little space as possible, instead of the conventional CRT (Cathode Ray Tube), as a display unit.

Since the unit has the two polarizing filter that are at right angles to each other, the unit adopts "normally black" mode, where light does not pass through the polarizing filter and the screen is black when no voltage is applied to the liquid crystals.

2.4.1.1 SPECIFICATIONS

The following table shows the specifications of this unit.

Item	Specifications
Maximum dimensions (W × H × D)	760 mm × 450 mm × 48 mm
Weight	10.5 kg
Effective screen size	Diagonal: 800 mm (H: 697 mm × V: 392 mm)
Aspect ratio	16 : 9
Drive device / system	a-Si-TFT active matrix system
Resolution	Horizontally 1366 × Vertically 768 × RGB < W-XGA > 3147264 dots in total
Pixel pitch (pixel size)	Horizontally: 0.1703 mm, Vertically: 0.5108 mm
Displayed color	16777216 colors 256 colors for R G and B
Brightness	500cd/m2
Contrast ratio	800 : 1
Response time (Tr + Tf)	less than 18 ms
View angle (Horizontally)	178°
View angle (Vertically)	178°
Surface polarizer	Anti-Glare type Low reflective coat
Color filter	Vertical stripe
Backlight	Cold cathode fluorescent lamp × 18
Power supply voltage in LCD	12 V
Power supply voltage in inverter	24 V
Panel interface system	LVDS (Low Voltage Differential Signaling)

2.4.1.2 PIXEL FAULT

There are three pixel faults - bright fault , dark fault and flicker fault - that are respectively defined as follows.

- **BRIGHT FAULT**
  In this pixel fault, a cell that should not light originally is lighting on and off.
  For checking this pixel fault, input ALL BLACK SCREEN and find out the cell that is lighting on and off.
- **DARK FAULT**
  In this pixel fault, a cell that should light originally is not lighting or lighting with the brightness twice as brighter as originally lighting.
  For checking this pixel fault, input 100% of each R/G/B color and find out the cell that is not lighting.
- **FLICKER FAULT**
  In the pixel fault, a cell that should light originally or not light originally is flashing on and off.
  For checking this pixel fault, input ALL BLACK SCREEN signal or 100% of each RGB color and find out the cell that is flashing on and off.

2.4.2 MAIN CPU PIN FUNCTION [IC7601 : DIGITAL PWB]

Pin	Pin name	I/O	Function	Pin	Pin name	I/O	Function
1	VHOLD1	I	Data slice for main screen closed caption	51	P4.3	O	Not used
2	HFLT1	I/O	LPF for main screen closed caption video input	52	P4.2	O	Not used
3	P9.4	O	Not used	53	P4.1	O	Not used
4	P9.3	O	Not used	54	P4.0	O	Not used
5	DIGR0	O	R [0] for OSD	55	P3.7	O	Not used
6	TB1in	I	AC power for timer clock	56	P3.6	O	Not used
7	REMO	I	Remote control	57	P3.5	O	Not used
8	BYTE	I	Data bus width select [L = 16bit (fixed)]	58	P3.4	O	Not used
9	CNVss	I	CPU programming mode select [Normal = L]	59	P3.3	O	Not used
10	DIGG0	O	G [0] for OSD	60	P3.2	O	Not used
11	DIGB0	O	B [0] for OSD	61	P3.1	O	Not used
12	RESET	I	Reset for main CPU [Reset = L]	62	HSYNC	I	H. sync for OSD
13	Xout	O	System clock osillation (crystal) : 16MHz	63	P3.0	O	Not used
14	Vss	-	GND	64	VSYNC	I	V. sync for OSD
15	Xin	I	System clock osillation (crystal) : 16MHz	65	P2.7	O	Not used
16	Vcc1	I	3.3V stand-by power supply	66	P2.6	O	Not used
17	OSC1	I	Clock for OSD	67	P2.5	O	Not used
18	OSC2	O	Not used : Clock for OSD	68	P2.4	O	Not used
19	INT1	I	Not used : AV COMPULINK control	69	P2.3	O	Not used
20	INT0	I	Request for sub(chassis) CPU communication (serial data)	70	P2.2	O	Not used
21	OUT1	O	Ys (blanking) for OSD	71	P2.1	O	Clock for Inter IC (serial) bus control
22	OUT2	O	YM (transparence) for OSD	72	P2.0	I/O	Data for Inter IC (serial) bus control
23	P7.7	O	Not used	73	P1.7	O	Not used
24	P7.6	O	Not used	74	P1.6	O	Not used
25	P7.5	O	Not used	75	P1.5	O	Not used
26	P7.4	O	Not used	76	P1.4	O	Not used
27	CTA2/RTS2	O	Not used	77	P1.3	O	Not used
28	CLK2	O	Not used	78	P1.2	O	Not used
29	RxD2	I	Digital tuner control	79	P1.1	O	Not used
30	TxD2	O	Digital tuner control	80	P1.0	O	Function LED lighting
31	SDA2	I/O	Not used	81	P0.7	O	Communication LED lighting
32	DIGR1	O	R [1] for OSD	82	P0.6	O	Test point
33	DIGG1	O	G [1] for OSD	83	CEC_INT	O	Not used
34	DIGB1	O	B [1] for OSD	84	WAKE	O	Reset for sub(chassis) CPU
35	TxD0	I	Data receive (serial) for external programming	85	CARD_DET	I	Not used
36	RxD0	O	Data transmission (serial) for external programming	86	POWER_SW	I	Power switch (mechanical) detection
37	CLK0	I	Clock for external programming	87	SDA	I/O	Data for Inter IC (serial) bus control : memory
38	RTS0	O	Busy for external programming [Operation = H]	88	SCL	O	Clock for Inter IC (serial) bus control : memory
39	P5.7	I	Not used	89	DIGR2	O	R [2] for OSD
40	P5.6	O	Not used	90	DIGG2	O	G [2] for OSD
41	HOLD	I	CPU programming mode select [Normal = H]	91	DIGB2	O	B [2] for OSD
42	P5.4	O	Not used	92	10.0	O	Not used
43	P5.3	O	Not used	93	KEY2	I	Key scan data for front control button (MENU/CH+/CH-) KEY2
44	P5.2	O	Not used	94	KEY1	I	Key scan data for front control button (INPUT/VOL+/VOL-) KEY1
45	P5.1	O	Not used	95	VHOLD2	I	Data slice for sub screen closed caption
46	WR	O	CPU programming mode select [Normal = L]	96	HLF2	I/O	LPF for sub screen closed caption video input
47	P4.7	O	Data transmission for sub(chassis) CPU communication (serial)	97	CVIN2	I	Video(Y) for sub screen closed caption
48	P4.6	I	Data receive for sub(chassis) CPU communication (serial)	98	TVSETB	I	Test terminal [L Fixed]
49	P4.5	I	Clock for sub(chassis) CPU communication (serial)	99	VCCE	I	5V stand-by power supply
50	P4.4	O	Not used	100	CVIN1	I	Video(Y) for main screen closed caption

SECTION 3
DISASSEMBLY

3.1 DISASSEMBLY PROCEDURE

CAUTION AT DISASSEMBLY:

- **Be sure to perform the SYSTEM SETTEING, at the end of the procedure.**
- Make sure that the power cord is disconnected from the outlet.
- Pay special attention not to break or damage the parts.
- When removing each board, remove the connectors as required. Taking notes of the connecting points (connector numbers) makes service procedure manageable.
- Make sure that there is no bent or stain on the connectors before inserting, and firmly insert the connectors.

3.1.1 REMOVING THE STAND (Fig.1)

(1) Remove the 2 screws **[A]**.
(2) Remove the STAND COVER.
(3) Remove the 4 screws **[B]**.
(4) Remove the STAND.

3.1.2 REMOVING THE REAR COVER (Fig.1)

- Remove the STAND.

(1) Remove the JACK COVER (L/R).
(2) Remove the 7 screws **[C]**, the 5 screws **[D]**, and the 1 screw **[E]**.
(3) Remove the REAR COVER.

3.1.3 REMOVING THE POWER PWB (Fig.1)

- Remove the STAND.
- Remove the REAR COVER.

(1) Remove the 1 screw **[F]**.
(2) Remove the POWER CORD HOLDER.
(3) Remove the POWER CORD.
(4) Remove the 4 screws **[G]**.
(5) Remove the POWER PWB.

3.1.4 REMOVING THE D-AMP PWB (Fig.1)

- Remove the STAND.
- Remove the REAR COVER.

(1) Remove the 2 screw **[H]**.
(2) Remove the D-AMP PWB.

3.1.5 REMOVING THE ANALOG PWB (Fig.1)

- Remove the STAND.
- Remove the REAR COVER.
- Remove the D-AMP PWB.

(1) Remove the 2 screws **[J]** and 2 screws **[K]**.
(2) Remove the TERMINAL BASE.
(3) Remove the 1 screw **[L]**.
(4) Remove the TUNER BASE.
(5) Remove the 2 screws **[M]**.
(6) Remove the D-AMP BRACKET.
(7) Remove the 3 screws **[N]**.
(8) Remove the 2 screws **[P]**.
(9) Remove the ANALOG PWB.

3.1.6 REMOVING THE DC-DC PWB (Fig.1)

- Remove the STAND.
- Remove the REAR COVER.

(1) Remove the 4 screws **[Q]**.
(2) Remove the BACK BRACKET.
(3) Remove the 2 screws **[R]**.
(4) Remove the DC-DC PWB.

3.1.7 REMOVING THE COOLING FAN (Fig.1)

- Remove the STAND.
- Remove the REAR COVER.
- Remove the BACK BRACKET.

(1) Remove the 7 hooks of the SHIELD COVER.
(2) Remove the SHIELD COVER by sliding it in the direction of the arrow.
(3) Remove the 2 screws **[S]**.
(4) Remove the COOLING FAN.

3.1.8 REMOVING THE ATSC TUNER MODULE PWB (Fig.1)

- Remove the STAND.
- Remove the REAR COVER.
- Remove the BACK BRACKET.
- Remove the SHIELD COVER.

(1) Remove the 4 screws **[T]**.
(2) Remove the ATSC TUNER MODULE PWB.

3.1.9 REMOVING THE OPTICAL PWB (Fig.1)

- Remove the STAND.
- Remove the REAR COVER.
- Remove the BACK BRACKET.
- Remove the SHIELD COVER.

(1) Remove the 1 screw **[U]**.
(2) Remove the OPTICAL PWB.

3.1.10 REMOVING THE SD CARD PWB (Fig.1)

- Remove the STAND.
- Remove the REAR COVER.
- Remove the BACK BRACKET.
- Remove the SHIELD COVER.

(1) Remove the 1 screw **[V]**.
(2) Remove the SD CARD PWB.

3.1.11 REMOVING THE DIGITAL PWB (Fig.1)

- Remove the STAND.
- Remove the REAR COVER.
- Remove the BACK BRACKET.
- Remove the SHIELD COVER.
- Remove the ATSC TUNER MODULE PWB.
- Remove the SD CARD PWB.

(1) Remove the 2 screws **[W]** and 2 screws **[X]**.
(2) Remove the SHIELD TERMINAL.
(3) Remove the 7 screws **[Y]**.
(4) Remove the DIGITAL PWB BRACKET.
(5) Remove the 2 screws **[Z]**.
(6) Remove the DIGITAL PWB.

CAUTION :

Make sure to perform the "SYSTEM SETTEING", when DIGITAL PWB is replaced.

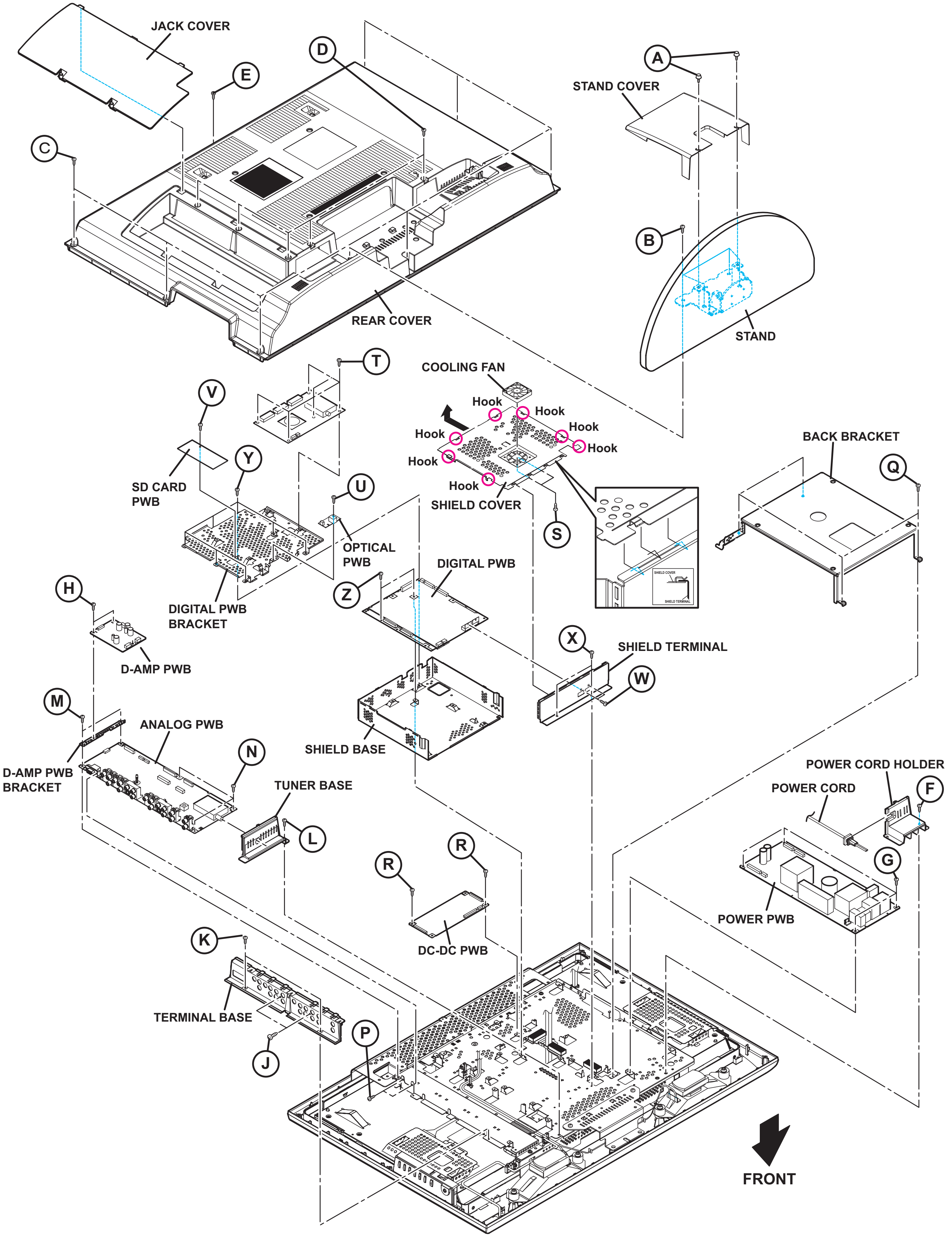

JACK COVER
E
D
A
STAND COVER
C
B
STAND
REAR COVER
T
COOLING FAN
V
Hook
Hook
Hook
Hook
Hook
Hook
Hook
BACK BRACKET
Q
Y
SD CARD PWB
U
SHIELD COVER
S
SHIELD COVER
SHIELD TERMINAL
OPTICAL PWB
DIGITAL PWB
H
Z
DIGITAL PWB BRACKET
D-AMP PWB
X
SHIELD TERMINAL
W
M
ANALOG PWB
N
SHIELD BASE
D-AMP PWB BRACKET
TUNER BASE
L
POWER CORD HOLDER
POWER CORD
F
R
R
G
POWER PWB
DC-DC PWB
K
TERMINAL BASE
P
J
FRONT

Fig.1

3.1.12 REMOVING THE SW PWB (Fig.2)

- Remove the STAND.
- Remove the REAR COVER.
  (1) Remove the 2 screws **[A]**.
  (2) Remove the CONTROL ASS'Y with SW PWB.
  (3) Remove the 2 screws **[B]**.
  (4) Remove the SW PWB from the CONTROL ASS'Y.

3.1.13 REMOVING THE LED PWB (Fig.2)

- Remove the STAND.
- Remove the REAR COVER.
  (1) Remove the 2 screws **[C]**.
  (2) Remove the LED PWB.

3.1.14 REMOVING THE SPEAKER (Fig.2)

- Remove the STAND.
- Remove the REAR COVER.
  (1) Remove the 4 screws **[D]**.
  (2) Remove the SPEAKER (L / R).

3.1.15 REMOVING THE LCD PANEL UNIT (Fig.2)

- Remove the STAND.
- Remove the REAR COVER.
- Remove the BACK BRACKET.
- Remove the POWER CORD HOLDER.
  (1) Remove the 3 screws **[E]** and 2 screws **[L]**.
  (2) Remove the STAND BRACKET.
  (3) Remove the 3 screws **[F]**.
  (4) Remove the MAIN BASE.
  (5) Remove the 4 screws **[G]** and 4 screw **[H]**.
  (6) Remove the LCD PANEL UNIT with TOP/BOTTOM FRAME.
  (7) Remove the 2 screws **[J]**.
  (8) Remove the TOP FARAME from the LCD PANEL UNIT.
  (9) Remove the 2 screws **[K]**.
  (10) Remove the BOTTOM FARAME from the LCD PANEL UNIT.

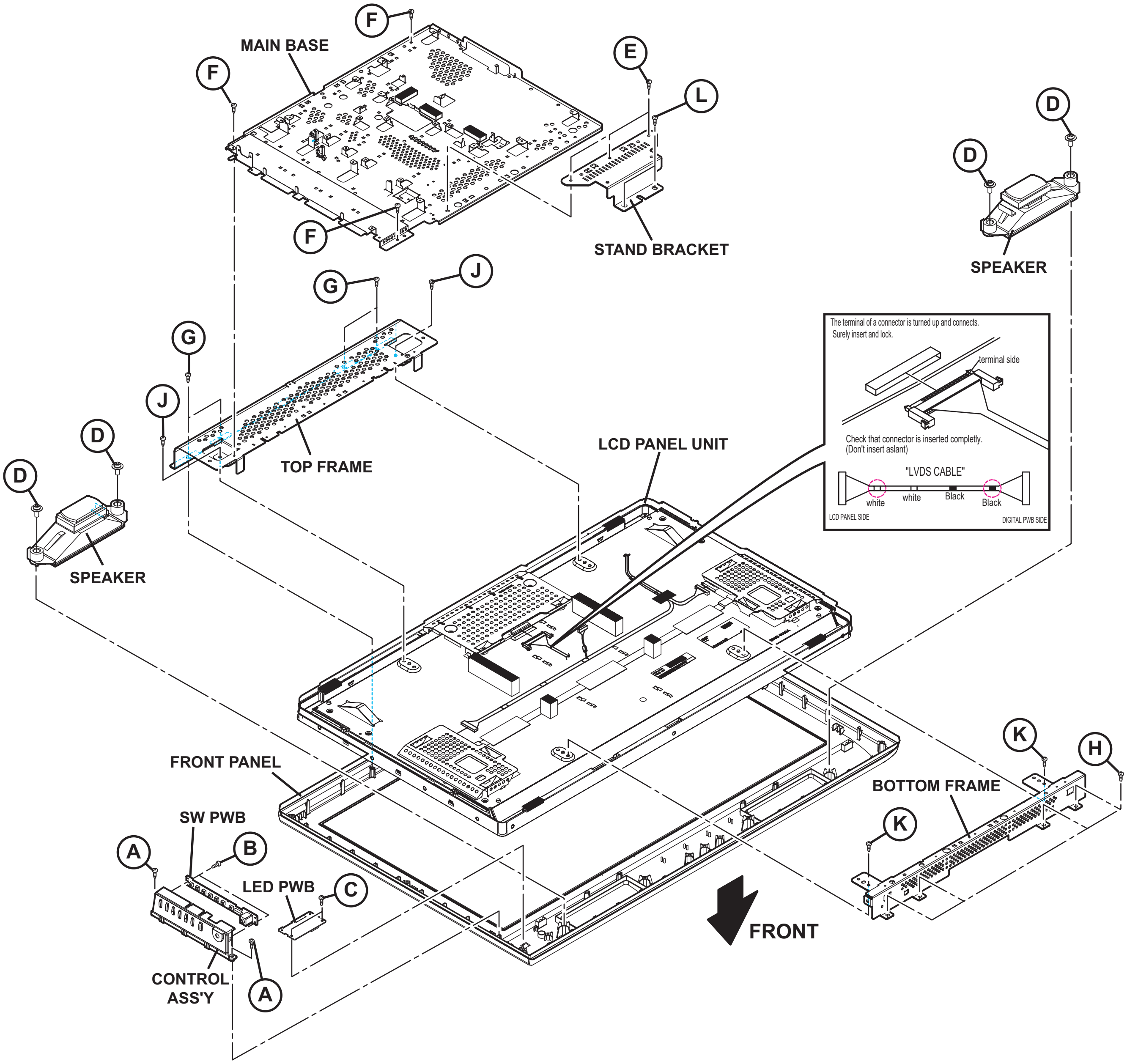

F
MAIN BASE
F
E
L
D
D
F
STAND BRACKET
SPEAKER
G
J
G
J
D
D
TOP FRAME
LCD PANEL UNIT
The terminal of a connector is turned up and connects.
Surely insert and lock.
terminal side
Check that connector is inserted completly.
(Don't insert aslant)
"LVDS CABLE"
white
white
Black
Black
LCD PANEL SIDE
DIGITAL PWB SIDE
SPEAKER
FRONT PANEL
K
H
BOTTOM FRAME
SW PWB
A
B
K
LED PWB
C
FRONT
CONTROL ASS'Y
A

Fig.2

3.1.16 REMOVING THE CONTROL PWB (Fig.3)

- Remove the STAND.
- Remove the REAR COVER.
- Remove the BACK BRACKET.
- Remove the POWER CORD HOLDER.
- Remove the LCD PANEL UNIT.

(1) Remove the 4 screws **[A]**.
(2) Remove the CONTROL PWB COVER.
(3) Remove the CONTROL PWB.

3.1.17 REMOVING THE INVERTER PWB (MASTER) (Fig.3)

- Remove the STAND.
- Remove the REAR COVER.
- Remove the BACK BRACKET.
- Remove the POWER CORD HOLDER.
- Remove the LCD PANEL UNIT.

(1) Remove the 3 screws **[B]**.
(2) Remove the INVERTER PWB COVER.
(3) Remove the INVERTER PWB (MASTER).

3.1.18 REMOVING THE INVERTER PWB (SLAVE) (Fig.3)

- Remove the STAND.
- Remove the REAR COVER.
- Remove the BACK BRACKET.
- Remove the POWER CORD HOLDER.
- Remove the LCD PANEL UNIT.

(1) Remove the 3 screws **[C]**.
(2) Remove the INVERTER PWB COVER.
(3) Remove the INVERTER PWB (SLAVE).

3.1.19 REMOVING THE BACKLIGHT UNIT (Fig.3)

- Remove the STAND.
- Remove the REAR COVER.
- Remove the BACK BRACKET.
- Remove the POWER CORD HOLDER.
- Remove the LCD PANEL UNIT.

(1) Remove the 6 screws **[D]**.
(2) Remove the 6 hooks.
(3) Remove the PANEL FRAME.
(4) Remove the LCD PANEL from the BACKLIGHT UNIT.

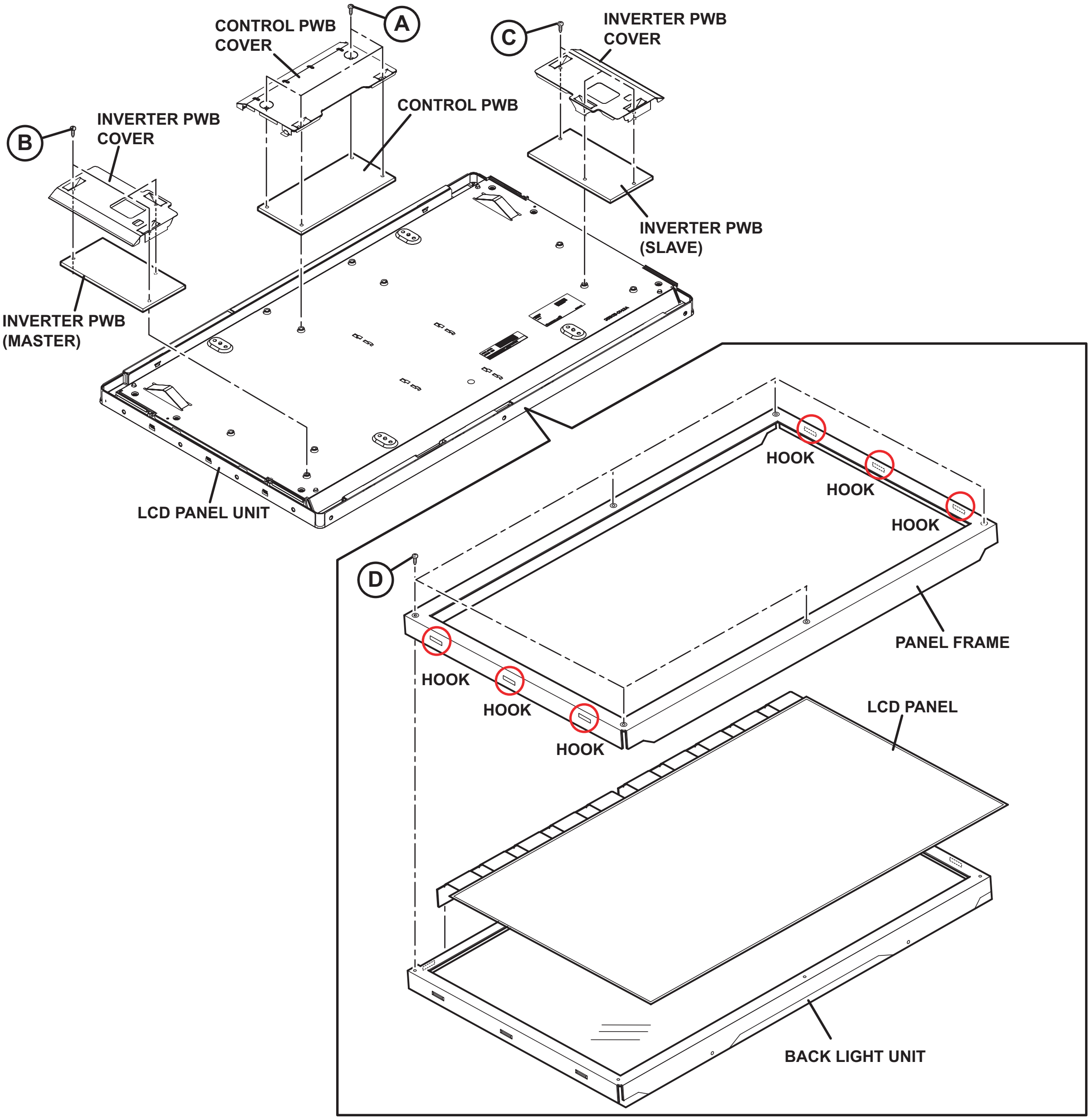

CONTROL PWB COVER
A
C
INVERTER PWB COVER
CONTROL PWB
B
INVERTER PWB COVER
INVERTER PWB (SLAVE)
INVERTER PWB (MASTER)
LCD PANEL UNIT
HOOK
HOOK
HOOK
D
PANEL FRAME
HOOK
HOOK
HOOK
LCD PANEL
BACK LIGHT UNIT

Fig.3

3.2 MEMORY IC REPLACEMENT

- This model uses the memory IC.
- This memory IC stores data for proper operation of the video and drive circuits.
- When replacing, be sure to use an IC containing this (initial value) data.

3.2.1 MEMORY IC TABLE

Simbol	Number of pins	Mounting PWB	Main content of data
IC7201	48-pin	DIGITAL PWB	Progaram(Video process) of IC6001(System CPU) is memorized.
IC7602	8-pin	DIGITAL PWB	Setting value of IC7601(MAIN CPU) is memorized.

3.2.2 MEMORY IC REPLACEMENT PROCEDURE

1. Power off
Switch off the power and disconnect the power plug from the AC outlet.

2. Replace the memory IC
Be sure to use the memory IC written with the initial setting values.

3. Power on
Connect the power plug to the AC outlet and switch on the power.

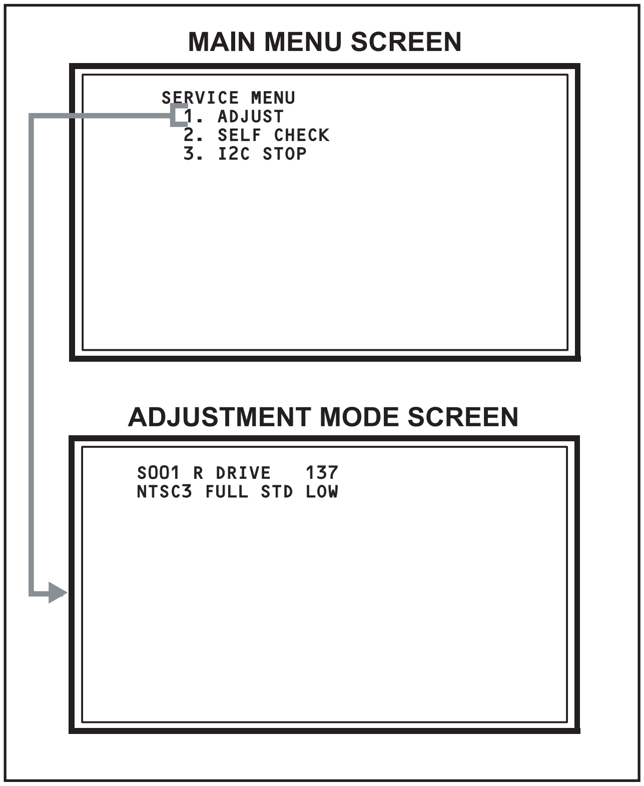
4. Receiving channel setting
Refer to the OPERATING INSTRUCTIONS and set the receive channels (Channels Preset) as described.

5. User setting
Check the user setting items according to the given in page later. Where these do not agree, refer to the OPERATING INSTRUCTIONS and set the items as described.

6. SERVICE MODE setting
Verify what to set in the SERVICE MODE, and set whatever is necessary (Fig.1). Refer to the SERVICE ADJUSTMENT for setting.

3.2.3 SERVICE MODE SETTING

■SERVICE MODE SCREEN



```
S001 R DRIVE   137
NTSC3 FULL STD LOW
```

Fig.1

■SETTING ITEM

Setting items	Settings	Item No.
Video system setting	Adjust	S001 - S009
Audio system setting	Adjust	T001 - T003
Main CPU system setting	Fixed	M001 - M224
Drive system setting	Fixed	F001 - F002
(Not used)	Fixed	D001
(Not used)	Fixed	Z001

3.2.4 SETTINGS OF FACTORY SHIPMENT

3.2.4.1 BUTTON OPERATION

Setting item	Setting position
POWER	Off
CHANNEL	CABLE-02
VOLUME	10
INPUT	TV

3.2.4.2 REMOTE CONTROL DIRECT OPERATION

Setting item		Setting position
INPUT		TV
CHANNEL		CABLE-02
VOLUME		10
MUTING		OFF
DISPLAY		OFF
ASPECT	NTSC	PANORAMA
	HD / ATSC	FULL
SLEEP TIMER		OFF
THEATER PRO		OFF
NATURAL CINEMA		AUTO
VIDEO STATUS		DYNAMIC
MTS		STEREO
SOUND EFFECT	A.H.S.+	OFF
	A.T.C	ON
	SMART SOUND	OFF
	HYPER BASS	OFF

3.2.4.3 REMOTE CONTROL MENU OPERATION

1. PICTURE ADJUST

Customers can adjust the picture setting of menu screen as their own like but the picture standard value during factory shipment is as below.

< NTSC MODE >

Setting item	DYNAMIC	STANDARD	GAME	THEATER
PICTURE	+09	00	-10	00
BRIGHT	00	00	00	00
COLOR	00	00	00	00
TINT	00	00	00	00
DETAIL	+06	00	00	00
ENERGY SAVER MODE	+30	+15	00	-10
COLOR TEMPERATURE	HIGH	LOW	HIGH	HIGH
COLOR MANAGEMENT	ON	ON	ON	ON
DYNAMIC GAMMA	ON	ON	ON	ON
SMART PICTURE	OFF	ON	ON	ON
DIGITAL VNR	AUTO	AUTO	AUTO	AUTO
MPEG NR	ON	ON	ON	ON
SMART SENSOR	OFF	OFF	OFF	OFF
SENSOR EFFECT	OFF	OFF	OFF	OFF

< HD MODE >

Setting item	DYNAMIC	STANDARD	GAME	THEATER
PICTURE	+10	00	-10	00
BRIGHT	+01	00	00	00
COLOR	+02	00	00	00
TINT	00	00	00	00
DETAIL	+07	00	00	00
ENERGY SAVER MODE	+30	+15	00	-10
COLOR TEMPERATURE	HIGH	LOW	HIGH	LOW
COLOR MANAGEMENT	ON	ON	ON	ON
DYNAMIC GAMMA	ON	ON	ON	ON
SMART PICTURE	OFF	ON	ON	ON
DIGITAL VNR	AUTO	AUTO	AUTO	AUTO
MPEG NR	ON	ON	ON	ON
SMART SENSOR	OFF	OFF	OFF	OFF
SENSOR EFFECT	OFF	OFF	OFF	OFF

2. SOUND ADJUST

Setting item	Setting position
BASS	00
TREBLE	00
BALANCE	00
TURN ON VOLUME	Current
VOLUME LIMIT	50

3. CLOCK / TIMERS

Setting item	Setting position
ON / OFF TIMER	OFF

4. INITIAL SETUP

Setting item	Setting position
DIGITAL-IN	AUTO
DIGITAL-IN1 AUDIO	AUTO
NOISE MUTING	ON
FRONT PANEL LOCK	OFF
V1 SMART INPUT	OFF
VIDEO INPUT LABEL	All blank
POSITION ADJUSTMENT	Center
POWER INDICATOR	HIGH
LANGUAGE	ENG.
CLOSED CAPTION	OFF
AUTO SHUT OFF	OFF
XDS ID	ON
V-CHIP	OFF

3.3 REPLACEMENT OF CHIP COMPONENT

3.3.1 CAUTIONS

(1) Avoid heating for more than 3 seconds.
(2) Do not rub the electrodes and the resist parts of the pattern.
(3) When removing a chip part, melt the solder adequately.
(4) Do not reuse a chip part after removing it.

3.3.2 SOLDERING IRON

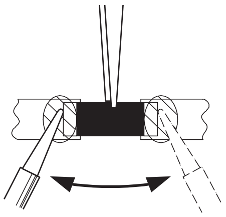
(1) Use a high insulation soldering iron with a thin pointed end of it.
(2) A 30w soldering iron is recommended for easily removing parts.

3.3.3 REPLACEMENT STEPS

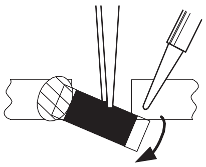
1. How to remove Chip parts

[Resistors, capacitors, etc.]

(1) As shown in the figure, push the part with tweezers and alternately melt the solder at each end.

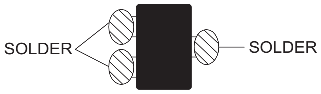


(2) Shift with the tweezers and remove the chip part.

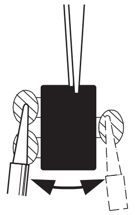


[Transistors, diodes, variable resistors, etc.]

(1) Apply extra solder to each lead.



(2) As shown in the figure, push the part with tweezers and alternately melt the solder at each lead. Shift and remove the chip part.



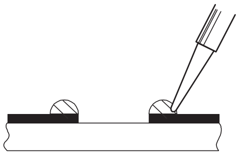
NOTE :

After removing the part, remove remaining solder from the pattern.

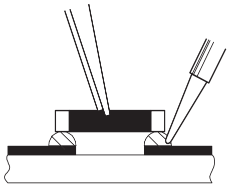
2. How to install Chip parts

[Resistors, capacitors, etc.]

(1) Apply solder to the pattern as indicated in the figure.

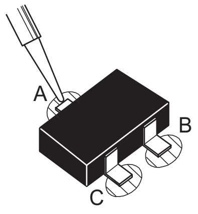


(2) Grasp the chip part with tweezers and place it on the solder. Then heat and melt the solder at both ends of the chip part.

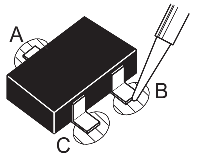


[Transistors, diodes, variable resistors, etc.]

(1) Apply solder to the pattern as indicated in the figure.
(2) Grasp the chip part with tweezers and place it on the solder.
(3) First solder lead **A** as indicated in the figure.



(4) Then solder leads **B** and **C**.



SECTION 4
ADJUSTMENT

4.1 ADJUSTMENT PREPARATION

(1) **There are 2 ways of adjusting this TV : One is with the REMOTE CONTROL UNIT and the other is the conventional method using adjustment parts and components.**
(2) **The adjustment using the REMOTE CONTROL UNIT is made on the basis of the initial setting values. The setting values which adjust the screen to the optimum condition can be different from the initial setting values.**
(3) Make sure that connection is correctly made AC to AC power source.
(4) Turn on the power of the TV and measuring instruments for warning up for at least 30 minutes before starting adjustments.
(5) If the receive or input signal is not specified, use the most appropriate signal for adjustment.
(6) Never touch the parts (such as variable resistors, transformers and condensers) not shown in the adjustment items of this service adjustment.

4.2 PRESET SETTING BEFORE ADJUSTMENTS

Unless otherwise specified in the adjustment items, preset the following functions with the REMOTE CONTROL UNIT.

Setting item	Settings
VIDEO STATUS	STANDARD
BRIGHT / CONTRAST / COLOR / TINT	00
COLOR TEMPERATURE	LOW
DIG. NOISE CLEAR	OFF
COLOR MANAGEMENT	ON
NATURAL CINEMA	OFF
TREBLE / BASS / BALANCE	00
SMART SOUND	OFF
MTS	STEREO
A.H.S.+	OFF
HYPER BASS	OFF
ASPECT	FULL

4.3 MEASURING INSTRUMENT AND FIXTURES

- Signal generator (Pattern generator) [NTSC]
- TV audio multiplex signal generator
- Remote control unit

4.4 ADJUSTMENT ITEMS

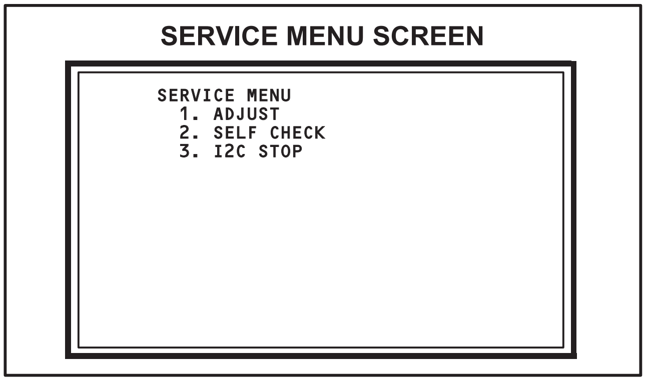
■ VIDEO CIRCUIT
- WHITE BALANCE (HIGHLIGHT) adjustment

■ MTS CIRCUIT
- MTS INPUT LEVEL adjustment
- MTS SEPARATION adjustment

4.5 BASIC OPERATION OF SERVICE MODE

4.5.1 HOW TO ENTER THE SERVICE MODE

(1) Set to 0 minutes using the **[SLEEP TIMER]** key.
(2) Press the **[VIDEO STATUS]** key and **[DISPLAY]** key simultaneously, then enter the SERVICE MODE (Fig.1)



SERVICE MENU SCREEN

```
SERVICE MENU
  1. ADJUST
  2. SELF CHECK
  3. I2C STOP
```

Fig.1

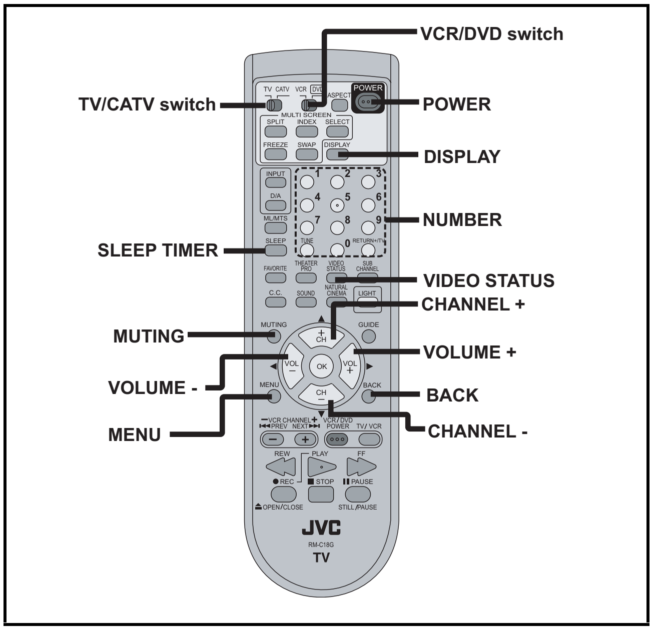
NOTE:

- Before entering the SERVICE MODE, confirm that the setting of **TV/CATV** switch of the REMOTE CONTROL UNIT is at the "TV" side and the setting of **VCR/DVD** switch is at the "**VCR**" side. If the switches have not been properly set, you cannot enter the SERVICE MODE.
- When a number key other than the **[1]** keys is pressed in the SERVICE MENU SCREEN, the other relevant screen may be displayed.
  This is not used in the adjustment procedure. Press the **[MENU]** key to return to the SERVICE MENU SCREEN.

4.5.2 HOW TO EXIT THE SERVICE MODE

Press the **[BACK]** key to exit the Service mode.

4.5.3 SERVICE MODE SELECT KEY LOCATION



4.5.4 ADJUSTMENT MODE

This mode is used to adjust the VIDEO CIRCUIT and the MTS CIRCUIT.

4.5.4.1 HOW TO ENTER THE ADJUSTMENT MODE

When the SERVICE MENU SCREEN of SERVICE MODE is displayed, press **[1]** key to enter the **ADJUSTMENT MODE**.

4.5.4.2 DESCRIPTION OF STATUS DISPLAY OF ADJUSTMENT MODE

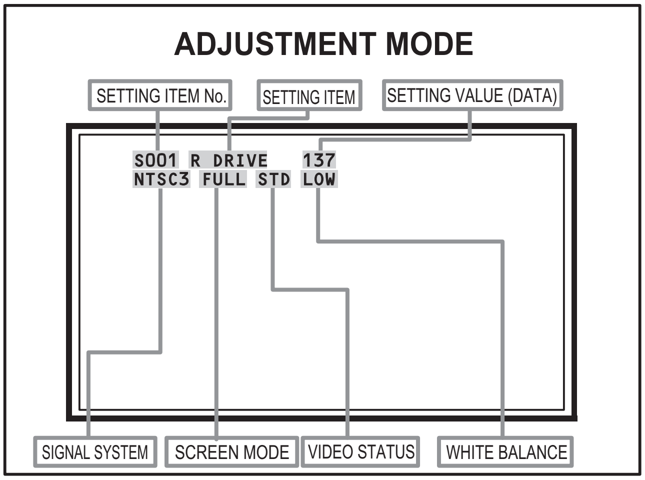


Fig.2

(1) SIGNAL SYSTEM

The signal displayed on the screen is displayed.

NTSC3 : 525i (Composite / S-video input)
525I : 525i (Component input)
525P : 525p
1125I6 : 1125i
750P : 750p
PCVGA : PC (VGA)
PCXGA : PC (XGA)
H525I : HDMI 525i
H525P : HDMI 525p
H1125I6 : HDMI 1125i
H750P : HDMI 750p
D525I : ATSC 525i
D525P : ATSC 525p
D1125I6 : ATSC 1125i

(2) SCREEN MODE

State of the SCREEN SIZE or MULTI PICTURE is displayed.

SINGLE SCREEN

FULL : FULL
1609 : CINEMA, CINEMA ZOOM
PANO : PANORAMA, HD PANORAMA
REGU : REGULAR, SLIM

MULTI SCREEN

M2 : SPLIT, FREEZE screen
M12 : INDEX screen

(3) VIDEO STATUS

STD : STANDARD
DYN : DYNAMIC
TH : THEATER
GAME : GAME

(4) WHITE BALANCE

HIGH : HIGH
LOW : LOW

(5) SETTING ITEM NAME

Setting item name are displayed. The setting item numbers to be displayed are listed below.

Item No.	Setting item
S001 - S009	Video system setting
T001 - T003	Audio system setting
M001 - M224	Main CPU system setting
F001 - F002	Drive system setting
D001	(NOT USED)
Z001	(NOT USED)

(6) SETTING ITEM NO.

Setting item numbers are displayed. For the setting item names to be displayed, refer to "Initial setting value of adjustment mode".

(7) SETTING VALUE (DATA)

The SETTING VALUE is displayed.

4.5.4.3 CHANGE AND MEMORY OF SETTING VALUE

■SELECTION OF SETTING ITEM

- **[CH+]** / **[CH-]** key.
  Change the setting items up/ down.

S001... ↔ T001... ↔ M001... ↔ F001... ↔ D001... ↔ Z001...

- **[SLEEP TIMER]** key.
  Switches to the next items.

S001 → T001 → M001... → F001... → D001 → Z001

■CHANGE OF SETTING VALUE (DATA)

- **[VOL+]** / **[VOL-]** key.
  Change the setting values up/down.

■MEMORY OF SETTING VALUE (DATA)

Changed setting value is memorized by pressing **[MUTING]** key.

4.6 INITIAL SETTING VALUES IN THE SERVICE MODE

- Perform fine-tuning based on the "initial values" using the remote control when in the Service mode.
- The "initial values" serve only as an indication rough standard and therefore the values with which optimal display can be achieved may be different from the default values. But, don't change the values that are not written in "ADJUSTMENT PROCEDURE". They are fixed values.

4.6.1 VIDEO SYSTEM SETTING

Item No.	Item	Variable range	Setting value
S001	R DRIVE	000 - 255	137
S002	G DRIVE	000 - 255	121
S003	B DRIVE	000 - 255	108
S004	RESREV	000 - 255	000
S005	RESREV	000 - 255	000
S006	RESREV	000 - 255	002
S007	RESREV	000 - 255	002
S008	RESREV	000 - 255	002
S009	RESREV	000 - 255	002

4.6.2 AUDIO SYSTEM SETTING

Item No.	Item	Variable range	Setting value
T001	INPLEVEL	000 - 015	006
T002	LOWSEPA	000 - 063	034
T003	HIGHSEPA	000 - 063	013

4.6.3 MAIN CPU SYSTEM SETTING (Fixed values)

Item No.	Item	Variable range	Setting value
M001	1E00	00 - FF	00
M002	1E01	00 - FF	00
M003	1E02	00 - FF	05
M004	1E03	00 - FF	20
M005	1E04	00 - FF	10
M006	1E05	00 - FF	00
M007	1E06	00 - FF	00
M008	1E07	00 - FF	01
M009	1E08	00 - FF	00
M010	1E09	00 - FF	00
M011	1E0A	00 - FF	01
M012	1E0B	00 - FF	00
M013	1E0C	00 - FF	01
M014	1E0D	00 - FF	00
M015	1E0E	00 - FF	00
M016	1E0F	00 - FF	00
M017	1E10	00 - FF	01
M018	1E11	00 - FF	00
M019	1E12	00 - FF	00
M020	1E13	00 - FF	01
M021	1E14	00 - FF	00
M022	1E15	00 - FF	00
M023	1E16	00 - FF	00
M024	1E17	00 - FF	00
M025	1E18	00 - FF	00
M026	1E19	00 - FF	00
M027	1E1A	00 - FF	00
M028	1E1B	00 - FF	00
M029	1E1C	00 - FF	00
M030	1E1D	00 - FF	00
M031	1E1E	00 - FF	00
M032	1E1F	00 - FF	00
M033	1E20	00 - FF	00
M034	1E21	00 - FF	00
M035	1E22	00 - FF	00
M036	1E23	00 - FF	00
M037	1E24	00 - FF	00
M038	1E25	00 - FF	00
M039	1E26	00 - FF	00
M040	1E27	00 - FF	00
M041	1E28	00 - FF	00
M042	1E29	00 - FF	00
M043	1E2A	00 - FF	00
M044	1E2B	00 - FF	00
M045	1E2C	00 - FF	00
M046	1E2D	00 - FF	00
M047	1E2E	00 - FF	00
M048	1E2F	00 - FF	00
M049	1E30	00 - FF	00
M050	1E31	00 - FF	00
M051	1E32	00 - FF	00
M052	1E33	00 - FF	00
M053	1E34	00 - FF	00
M054	1E35	00 - FF	00
M055	1E36	00 - FF	02
M056	1E37	00 - FF	00
M057	1E38	00 - FF	01
M058	1E39	00 - FF	02
M059	1E3A	00 - FF	10
M060	1E3B	00 - FF	83
M061	1E3C	00 - FF	00
M062	1E3D	00 - FF	00
M063	1E3E	00 - FF	00
M064	1E3F	00 - FF	00
M065	1E40	00 - FF	00
M066	1E41	00 - FF	00

Item No.	Item	Variable range	Setting value
M067	1E42	00 - FF	00
M068	1E43	00 - FF	03
M069	1E44	00 - FF	03
M070	1E45	00 - FF	03
M071	1E46	00 - FF	3F
M072	1E47	00 - FF	01
M073	1E48	00 - FF	00
M074	1E49	00 - FF	00
M075	1E4A	00 - FF	00
M076	1E4B	00 - FF	00
M077	1E4C	00 - FF	00
M078	1E4D	00 - FF	00
M079	1E4E	00 - FF	00
M080	1E4F	00 - FF	00
M081	1E50	00 - FF	00
M082	1E51	00 - FF	00
M083	1E52	00 - FF	00
M084	1E53	00 - FF	00
M085	1E54	00 - FF	00
M086	1E55	00 - FF	00
M087	1E56	00 - FF	00
M088	1E57	00 - FF	00
M089	1E58	00 - FF	00
M090	1E59	00 - FF	00
M091	1E5A	00 - FF	00
M092	1E5B	00 - FF	00
M093	1E5C	00 - FF	00
M094	1E5D	00 - FF	00
M095	1E5E	00 - FF	00
M096	1E5F	00 - FF	00
M097	1E60	00 - FF	00
M098	1E61	00 - FF	00
M099	1E62	00 - FF	00
M100	1E63	00 - FF	00
M101	1E64	00 - FF	00
M102	1E65	00 - FF	00
M103	1E66	00 - FF	00
M104	1E67	00 - FF	00
M105	1E68	00 - FF	04
M106	1E69	00 - FF	03
M107	1E6A	00 - FF	02
M108	1E6B	00 - FF	00
M109	1E6C	00 - FF	00
M110	1E6D	00 - FF	00
M111	1E6E	00 - FF	00
M112	1E6F	00 - FF	00

Item No.	Item	Variable range	Setting value
M113	1E70	00 - FF	00
M114	1E71	00 - FF	00
M115	1E72	00 - FF	00
M116	1E73	00 - FF	00
M117	1E74	00 - FF	00
M118	1E75	00 - FF	00
M119	1E76	00 - FF	00
M120	1E77	00 - FF	0F
M121	1E78	00 - FF	13
M122	1E79	00 - FF	00
M123	1E7A	00 - FF	00
M124	1E7B	00 - FF	00
M125	1E7C	00 - FF	00
M126	1E7D	00 - FF	00
M127	1E7E	00 - FF	01
M128	1E7F	00 - FF	00
M129	1E80	00 - FF	01
M130	1E81	00 - FF	00
M131	1E82	00 - FF	01
M132	1E83	00 - FF	00
M133	1E84	00 - FF	00
M134	1E85	00 - FF	00
M135	1E86	00 - FF	00
M136	1E87	00 - FF	00
M137	1E88	00 - FF	00
M138	1E89	00 - FF	00
M139	1E8A	00 - FF	00
M140	1E8B	00 - FF	00
M141	1E8C	00 - FF	00
M142	1E8D	00 - FF	00
M143	1E8E	00 - FF	00
M144	1E8F	00 - FF	00
M145	1E90	00 - FF	00
M146	1E91	00 - FF	00
M147	1E92	00 - FF	00
M148	1E93	00 - FF	00
M149	1E94	00 - FF	00
M150	1E95	00 - FF	00
M151	1E96	00 - FF	00
M152	1E97	00 - FF	00
M153	1E98	00 - FF	00
M154	1E99	00 - FF	00
M155	1E9A	00 - FF	01
M156	1E9B	00 - FF	00
M157	1E9C	00 - FF	03
M158	1E9D	00 - FF	00

Item No.	Item	Variable range	Setting value
M159	1E9E	00 - FF	00
M160	1E9F	00 - FF	00
M161	1EA0	00 - FF	00
M162	1EA1	00 - FF	00
M163	1EA2	00 - FF	00
M164	1EA3	00 - FF	01
M165	1EA4	00 - FF	00
M166	1EA5	00 - FF	00
M167	1EA6	00 - FF	00
M168	1EA7	00 - FF	00
M169	1EA8	00 - FF	00
M170	1EA9	00 - FF	00
M171	1EAA	00 - FF	00
M172	1EAB	00 - FF	00
M173	1EAC	00 - FF	0A
M174	1EAD	00 - FF	00
M175	1EAE	00 - FF	00
M176	1EAF	00 - FF	00
M177	1EB0	00 - FF	00
M178	1EB1	00 - FF	00
M179	1EB2	00 - FF	01
M180	1EB3	00 - FF	00
M181	1EB4	00 - FF	00
M182	1EB5	00 - FF	00
M183	1EB6	00 - FF	00
M184	1EB7	00 - FF	00
M185	1EB8	00 - FF	00
M186	1EB9	00 - FF	00
M187	1EBA	00 - FF	00
M188	1EBB	00 - FF	00
M189	1EBC	00 - FF	00
M190	1EBD	00 - FF	00
M191	1EBE	00 - FF	00
M192	1EBF	00 - FF	00
M193	1EC0	00 - FF	00
M194	1EC1	00 - FF	00
M195	1EC2	00 - FF	01
M196	1EC3	00 - FF	00
M197	1EC4	00 - FF	00
M198	1EC5	00 - FF	00
M199	1EC6	00 - FF	00
M200	1EC7	00 - FF	00
M201	1EC8	00 - FF	01
M202	1EC9	00 - FF	00
M203	1ECA	00 - FF	00
M204	1ECB	00 - FF	00

Item No.	Item	Variable range	Setting value
M205	1ECC	00 - FF	02
M206	1ECD	00 - FF	00
M207	1ECE	00 - FF	00
M208	1ECF	00 - FF	00
M209	1ED0	00 - FF	00
M210	1ED1	00 - FF	00
M211	1ED2	00 - FF	00
M212	1ED3	00 - FF	00
M213	1ED4	00 - FF	00
M214	1ED5	00 - FF	00
M215	1ED6	00 - FF	00
M216	1ED7	00 - FF	00
M217	1ED8	00 - FF	00
M218	1ED9	00 - FF	00
M219	1EDA	00 - FF	00
M220	1EDB	00 - FF	00
M221	1EDC	00 - FF	00
M222	1EDD	00 - FF	00
M223	1EDE	00 - FF	00
M224	1EDF	00 - FF	00

4.6.4 DRIVE SYSTEM SETTING (Fixed values)

Item No.	Item	Variable range	Setting value
F001	DD	000 - 001	000
F002	RAM REF	000 - 001	000

4.6.5 NOT USED (Fixed values)

Item No.	Item	Variable range	Setting value
D001	RESREV	000 - 255	002

4.6.6 NOT USED (Fixed values)

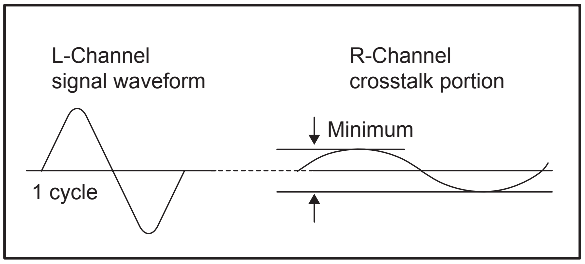
Item No.	Item	Variable range	Setting value
Z001	RESREV	000 - 255	002

4.7 ADJUSTMENT PROCEDURE

4.7.1 VIDEO CIRCUIT

Item	Measuring instrument	Test point	Adjustment part	Description
WHITE BALANCE (HIGHLIGHT)	Remote control unit Signal generator		[1.ADJUST] S030: R DRIVE (Red drive) S031: G DRIVE (Green drive) S032: B DRIVE (Blue drive)	(1) Receive a NTSC 75% all white signal. (2) Set "VIDEO STATUS" to **"STANDARD"**. (3) Set "ASPECT" to **"FULL"**. (4) Select "COLOR TEMPERATURE" to **"LOW"**. (5) Select **"1.ADJUST"** from the SERVICE MODE. (6) Adjust to keep one of **< S030 >** (Red drive), **< S031 >** (Green drive) or **< S032 >** (Blue drive) unchanged, then lower the other two so that the all-white screen is equally white throughout. **NOTE:** Set one or more of **< S030 >**, **< S031 >**, and **< S032 >** to **"137"**. (7) Check that white balance is properly tracked from low light to high light. If the white balance tracking is deviated, adjust to correct it. (8) Press the **[MUTING]** key to memoirze the set value.

4.7.2 MTS CIRCUIT

Item	Measuring instrument	Test point	Adjustment part	Description
MTS INPUT LEVEL	Remote control unit		[1.ADJUST] T001: IN LEVEL	(1) Receive the any broadcast. (2) Select **"1.ADJUST"** from the SERVICE MODE. (3) Verify that the **< T001 >** (IN LEVEL) is set at its initial setting value. (4) Press the **[MUTING]** key to memorize the set value.
MTS SEPARATION	TV audio multiplex signal generator Oscilloscope Remote control unit	L OUT R OUT	[1.ADJUST] T002: LOW SEP T003: HI SEP	(1) Input the stereo L signal (300Hz) from the TV audio multiplex signal generator to the antenna terminal. (2) Connect an oscilloscope to **L OUT** pin of the **AUDIO OUT**, and display one cycle portion of the 300Hz signal. (3) Change the connection of the oscilloscope to R OUT pin of the **AUDIO OUT**, and enlarge the voltage axis. (4) Select **"1.ADJUST"** from the SERVICE MODE. (5) Set the initial setting value of the **< T002 >** (LOW SEP). (6) Adjust the **< T002 >** so that the stroke element of the 300Hz signal will become minimum. (7) Change the signal to 3kHz, and similarly adjust the **< T003>** (HI SEP). (8) Press the **[MUTING]** key to memorize the set value.
 L-Channel signal waveform R-Channel crosstalk portion Minimum 1 cycle				

SECTION 5
TROUBLESHOOTING

5.1 SELF CHECK FEATURE

5.1.1 OUTLINE

This unit comes with the "Self check" feature, which checks the operational state of the circuit and displays/saves it during failure.Diagnosis is performed when power is turned on, and information input to the main microcomputer is monitored at all time. Diagnosis is displayed in 2 ways via screen display and LED flashes. Failure detection is based on input state of I^{2}C bus and the various control lines connected to the main microcomputer.

5.1.2 HOW TO ENTER THE SELF CHECK MODE

Before entering the Self check Display mode, confirm that the setting of **TV/CATV** SW of the REMOTE CONTROL UNIT is at the **"TV"** side and the setting of **VCR/DVD** SW is at the **"VCR"** side. If the switches have not been properly set, you cannot enter the Self check Display mode.

(1) Set to "**0 minutes**" using the **[SLEEP TIMER]** key.
(2) Press the **[VIDEO STATUS]** key and **[DISPLAY]** key simultaneously, then enter the service mode.
(3) Press the **[2]** key (SELF CHECK) before the service mode screen disappears.
(4) Press the **[SLEEP TIMER]** key to enter Page 2 of the SELF CHECK MODE.
  - When the **[RETURN+]** key pressed, the first page change screen.

NOTE:

When a number key other than the **[2]** key is pressed in the SERVICE MENU SCREEN, the other relevant screen may be displayed.
This is not used in the SELF CHECK. Press the **[MENU]** key to return to the SERVICE MENU SCREEN.

5.1.3 HOW TO EXIT THE SELF CHECK MODE

TO SAVE FAILURE HISTORY:

Turn off the power by unplugging the AC power cord plug when in the Self check display mode.

TO CLEAR (RESET) FAILURE HISTORY:

Turn off the power by pressing the **[POWER]** key on the remote control unit when in the Self check display mode.

5.1.4 FAILURE HISTORY

Failure history can be counted up to 9 times for each item. When the number exceeds 9, display will remain as 9. Failure history will be stored in the memory unless it has been deleted.

NOTE:

Only SYNC (with/without sync signals) will be neither counted nor stored.

5.1.5 POINTS TO NOTE WHEN USING THE SELF CHECK FEATURE

In addition to circuit failures (abnormal operation), the following cases may also be diagnosed as "Abnormal" and displayed and counted as "NG".

(1) Temporary defective transmissions across circuits due to pulse interruptions
(2) Misalignment in the on/off timing of power for I^{2}C bus (VCC) when turning on/off the main power.

Diagnosis may be impeded if a large number of items are displayed as "NG". As such, start Self check check only after 3 seconds in the case of receivers and 5 seconds in the case of panels upon turning on the power. If recurrences are expected, ensure to clear (reset) the failure history and record the new diagnosis reults.

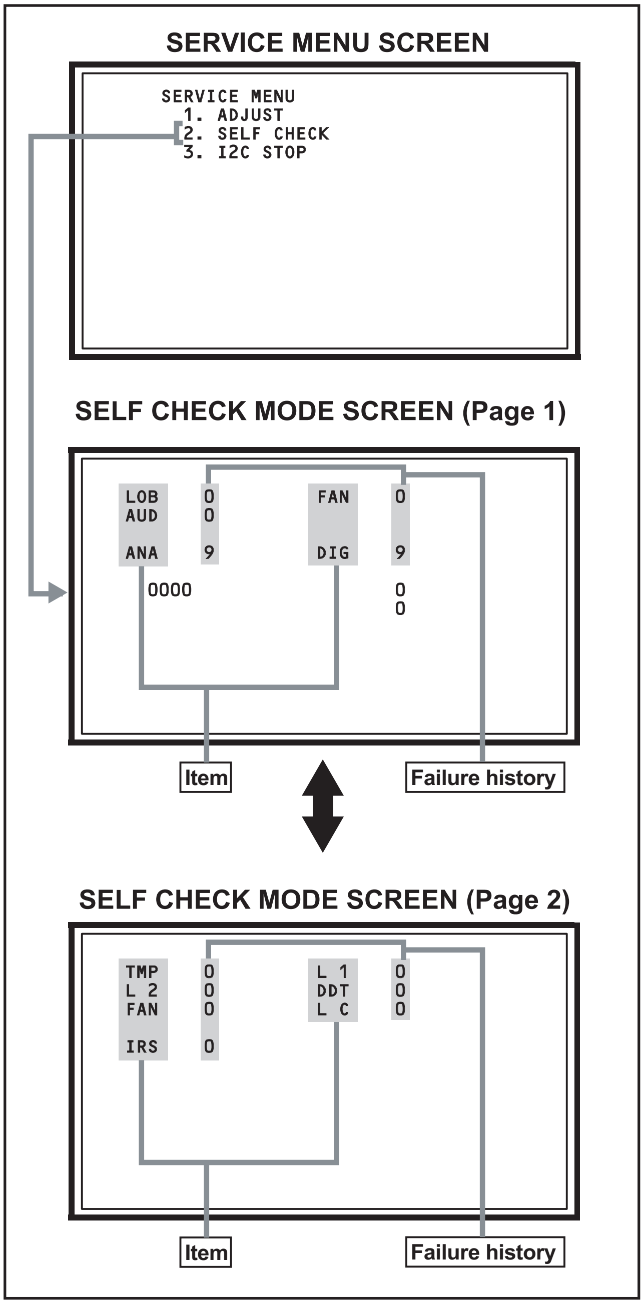


Fig.1

5.1.6 DETAILS

Self check is performed for the following items:

< Page 1 of screen >

Detection item	Display	Detection content	Diagnosis signal (line)	Detection timing
Low bias line short protection	LOB	Confirm the operation of the low bais (16V / 5V / LCD5V / 3.3V / 1.2V) protection circuit. Q9601, Q9651[POWER PWB]	LB_PRO	Detection starts 3 seconds after the power is turned on. If error continues between 200 ms the power is turned off.
Fan lock	FAN	Not used	----	----
Audio	AUD	Not used	----	----
Devices on the ANALOG PWB	ANA	Confirmation of reply of ACK signal which uses I2C communication. IC101, IC102, IC381, IC601, IC606, TU3001 [ANALOG PWB]	SDA	If it checks whenever I2C communication is performed and no reply of ACK signal an error will be counted.
Devices on the DIGITAL PWB	DIG	Confirmation of reply of ACK signal which uses I2C communication. [DIGITAL PWB]	SDA	If it checks whenever I2C communication is performed and no reply of ACK signal an error will be counted.

< Page 2 of screen >

Detection item	Display	Detection content	Diagnosis signal (line)	Detection timing
Temp. sensor	TEM	Not used	----	----
Lamp does not light up	L1	Not used	----	----
Lamp goes out	L2	Not used	----	----
Abnormal DD CPU circuit	DDT	Not used	----	----
Fan lock	FAN	Not used	----	----
Lamp cover open	LC	Not used	----	----
Abnormal of optical iris	IRS	Not used	----	----

5.1.7 METHOD OF DISPLAY WHEN A RASTER IS NOT OUTPUT

In the state where a raster is not output by breakdown of the set, an error is displayed by blink of the POWER LED.

Type of error	POWER LED flash cycle
Low bias line short protection	Blue LED turnig on and off at 1 second intervals.
ATSC TUNER fan lock detection	Blue LED turnig on and off at 2 second intervals.
CableCard error detection	Blue LED turnig on and off at 2 second intervals.

< Explanation of operation >

If error is detected, the power is turned off.
Shortly after a power is turned off, POWER LED will be blinked.
Power cannot be turned on until the power cord takes out and inserts, after a power is turned off.

JVC

Victor Company of Japan, Limited
Flat Panel Display Category 12, 3-chome, Moriya-cho, Kanagawa-ku, Yokohama-city, Kanagawa-prefecture, 221-8528, Japan

Printed in Japan
VPT

JVC

SCHEMATIC DIAGRAMS

LCD PANEL TELEVISION

LT-32X667/Z, LT-32X787/Z, LT-32X887/Z

CD-ROM No.SML200606

BASIC CHASSIS
FL4

[LT-32X787/Z]

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No.YA428
2006/6

LT-32X667/Z, LT-32X787/Z, LT-32X887/Z

STANDARD CIRCUIT DIAGRAM

■ NOTE ON USING CIRCUIT DIAGRAMS

1.SAFETY

The components identified by the ⚠ symbol and shading are critical for safety. For continued safety replace safety ciritical components only with manufactures recommended parts.

2.SPECIFIED VOLTAGE AND WAVEFORM VALUES

The voltage and waveform values have been measured under the following conditions.

(1)Input signal	: Colour bar signal
(2)Setting positions of each knob/button and variable resistor	: Original setting position when shipped
(3)Internal resistance of tester	: DC 20kΩ/V
(4)Oscilloscope sweeping time	: H ⇒ 20μs / div : V ⇒ 5ms / div : Oththers ⇒ Sweeping time is specified
(5)Voltage values	: All DC voltage values

∗ Since the voltage values of signal circuit vary to some extent according to adjustments, use them as reference values.

3.INDICATION OF PARTS SYMBOL [EXAMPLE]

- ● In the PW board : R1209 → R209

4.INDICATIONS ON THE CIRCUIT DIAGRAM

(1)Resistors

● Resistance value

No unit	: [Ω]
K	: [kΩ]
M	: [MΩ]

● Rated allowable power

No indication	: 1/16 [W]
Others	: As specified

● Type

No indication	: Carbon resistor
OMR	: Oxide metal film resistor
MFR	: Metal film resistor
MPR	: Metal plate resistor
UNFR	: Uninflammable resistor
FR	: Fusible resistor

∗ Composition resistor 1/2 [W] is specified as 1/2S or Comp.

(2)Capacitors

● Capacitance value

1 or higher	: [pF]
less than 1	: [μF]

● Withstand voltage

No indication	: DC50[V]
Others	: DC withstand voltage [V]
AC indicated	: AC withstand voltage [V]

∗ Electrolytic Capacitors
47/50[Example]: Capacitance value [μF]/withstand voltage[V]

● Type

No indication	: Ceramic capacitor
MM	: Metalized mylar capacitor
PP	: Polypropylene capacitor
MPP	: Metalized polypropylene capacitor
MF	: Metalized film capacitor
TF	: Thin film capacitor
BP	: Bipolar electrolytic capacitor
TAN	: Tantalum capacitor

(3)Coils

No unit	: [μH]
Others	: As specified

(4)Power Supply

═══	: B1	▬▬▬▬	: B2 (12V)
▬▭▬▭	: 9V	▭▭▭▭	: 5V

∗ Respective voltage values are indicated

(5)Test point

◉ : Test point ○ : Only test point display

(6)Connecting method

▭ : Connector ○ : Wrapping or soldering

→≻ →✕ : Receptacle

(7)Ground symbol

⊥ : LIVE side ground
⫫ : ISOLATED(NEUTRAL) side ground
⏚ : EARTH ground
▽ : DIGITAL ground

5.NOTE FOR REPAIRING SERVICE

This model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : (⊥) side GND and the ISOLATED(NEUTRAL) : (⫫) side GND. Therefore, care must be taken for the following points.

(1)Do not touch the LIVE side GND or the LIVE side GND and the ISOLATED(NEUTRAL) side GND simultaneously. if the above caution is not respected, an electric shock may be caused. Therefore, make sure that the power cord is surely removed from the receptacle when, for example, the chassis is pulled out.

(2)Do not short between the LIVE side GND and ISOLATED(NEUTRAL) side GND or never measure with a measuring apparatus measure with a measuring apparatus (oscilloscope, etc.) the LIVE side GND and ISOLATED(NEUTRAL) side GND at the same time.
If the above precaution is not respected, a fuse or any parts will be broken.

◆ **Since the circuit diagram is a standard one, the circuit and circuit constants may be subject to change for improvement without any notice.**

NOTE

◆ **Due improvement in performance, some part numbers show in the circuit diagram may not agree with those indicated in the part list.**
When ordering parts, please use the numbers that appear in the Parts List.

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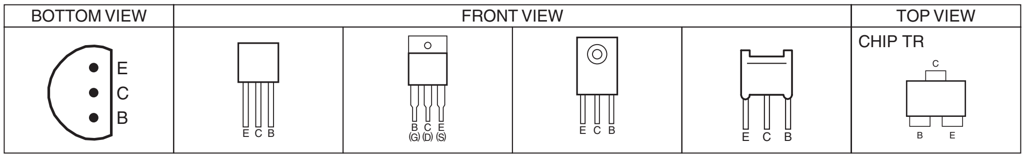
USING P.W. BOARD

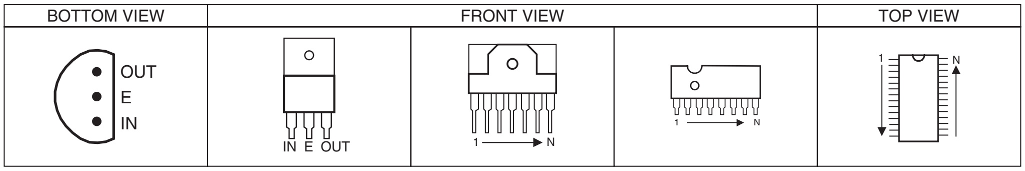
PWB ASS'Y name	LT-32X667/Z	LT-32X787/Z	LT-32X887/Z
SD CARD P.W. BOARD	SFL-1305A-M2	←	←
ANALOG P.W. BOARD	SFL-1311A-M2	←	←
OPTICAL P.W. BOARD	SFL-2501A-M2	←	←
D-AMP P.W. BOARD	SFL-6301A-M2	←	←
SW P.W. BOARD	SFL-7207A-M2	←	←
LED P.W. BOARD	SFL-8901A-M2	←	←
POWER P.W. BOARD	SFL-9048A-M2	←	←
DC-DC P.W. BOARD	SFL-9154A-M2	←	←
DIGITAL P.W. BOARD	SFL0D178A-M2	SFL0D175A-M2	SFL0D173A-M2

SEMICONDUCTOR SHAPES

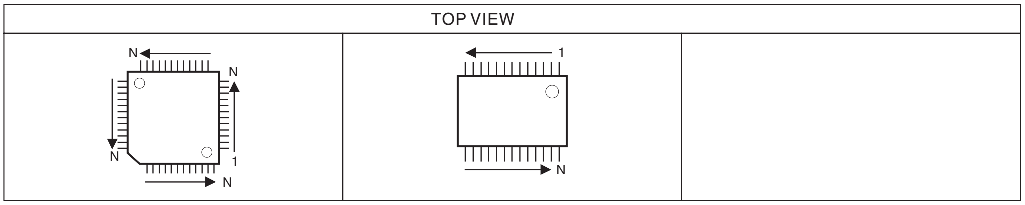
TRANSISTOR


BOTTOM VIEW
FRONT VIEW
TOP VIEW
E
C
B
E C B
B C E
(G) (D) (S)
E C B
E C B
CHIP TR
C
B E

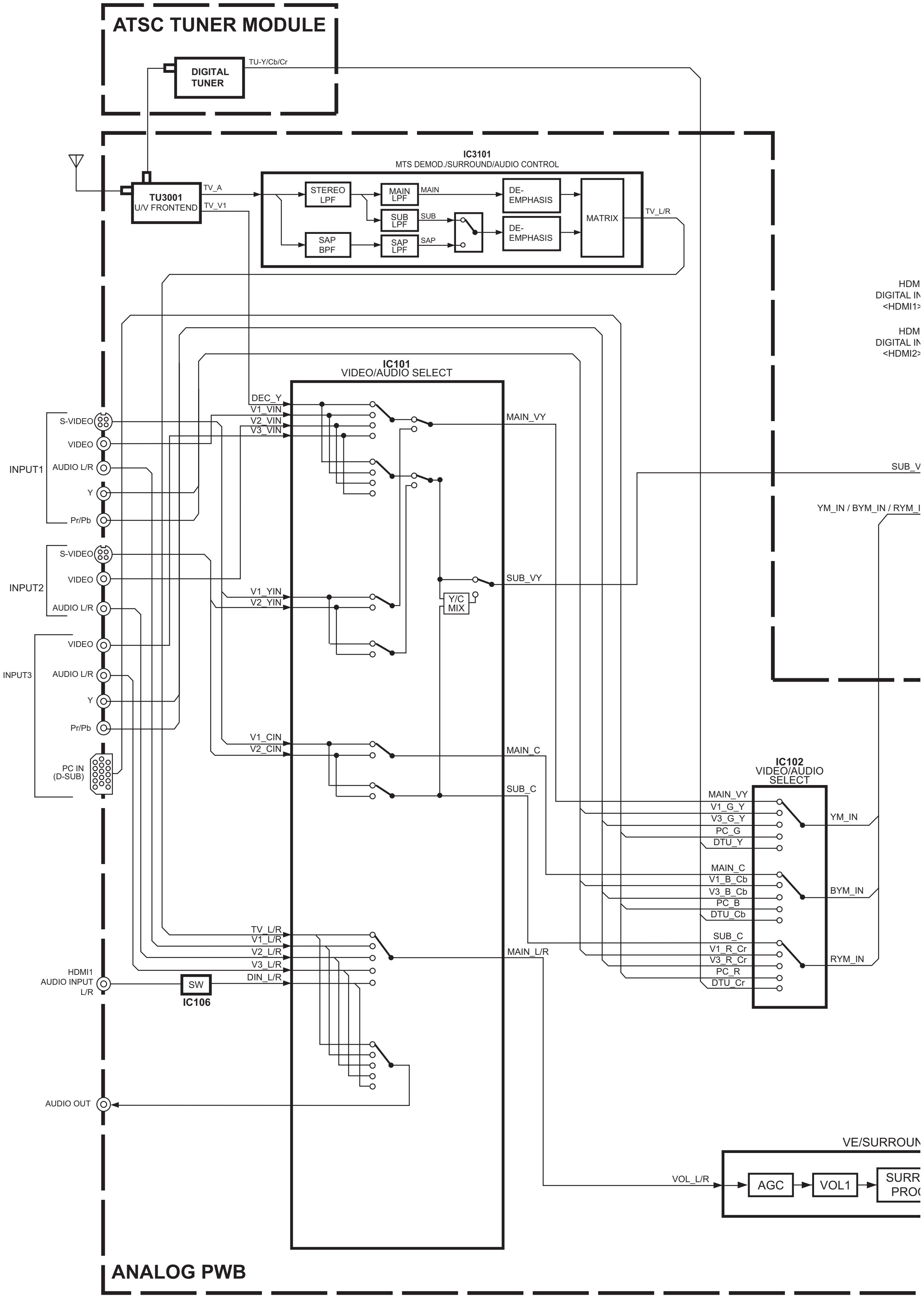
IC

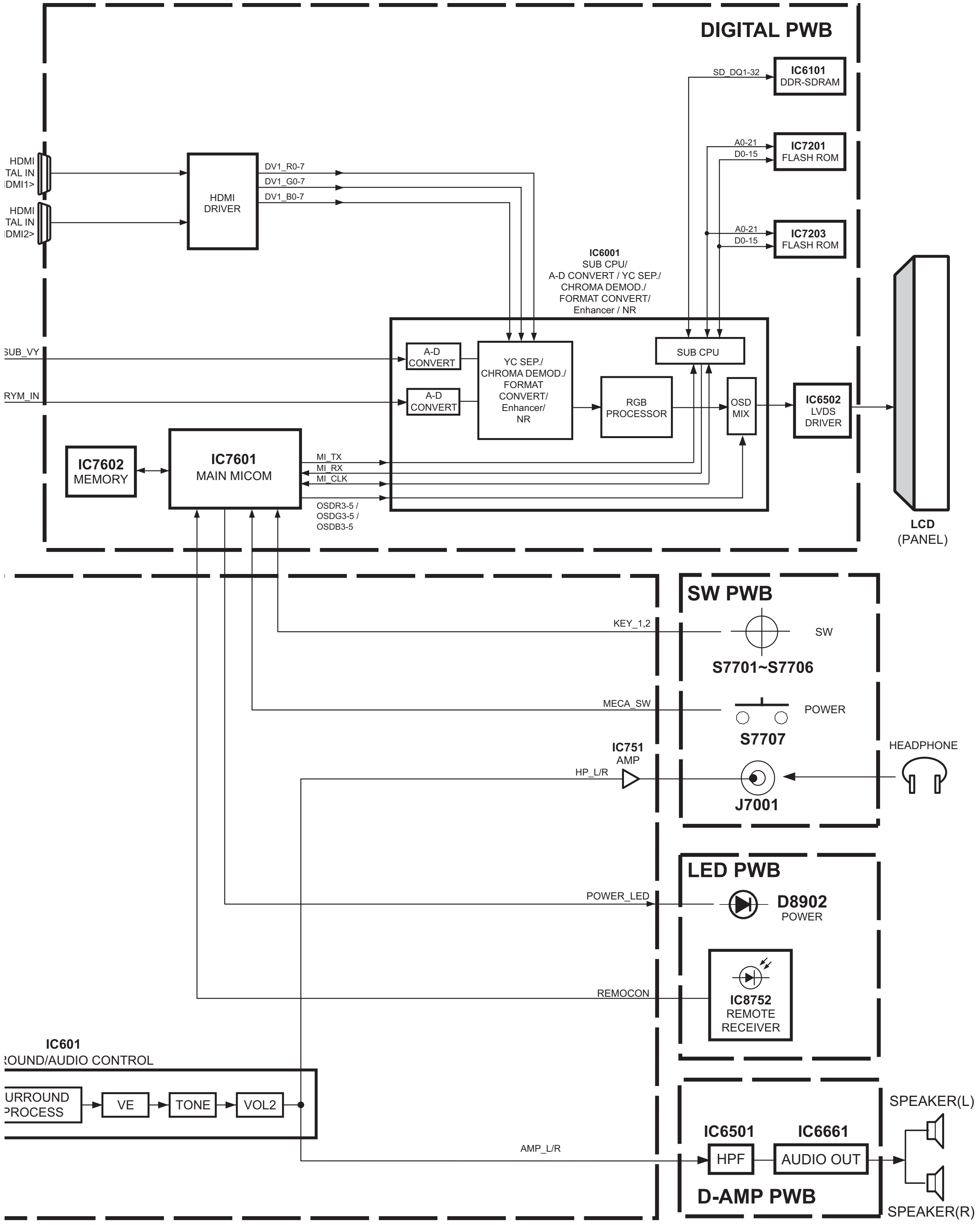

BOTTOM VIEW
FRONT VIEW
TOP VIEW
OUT
E
IN
IN E OUT
1 N
1 N
1 N

CHIP IC

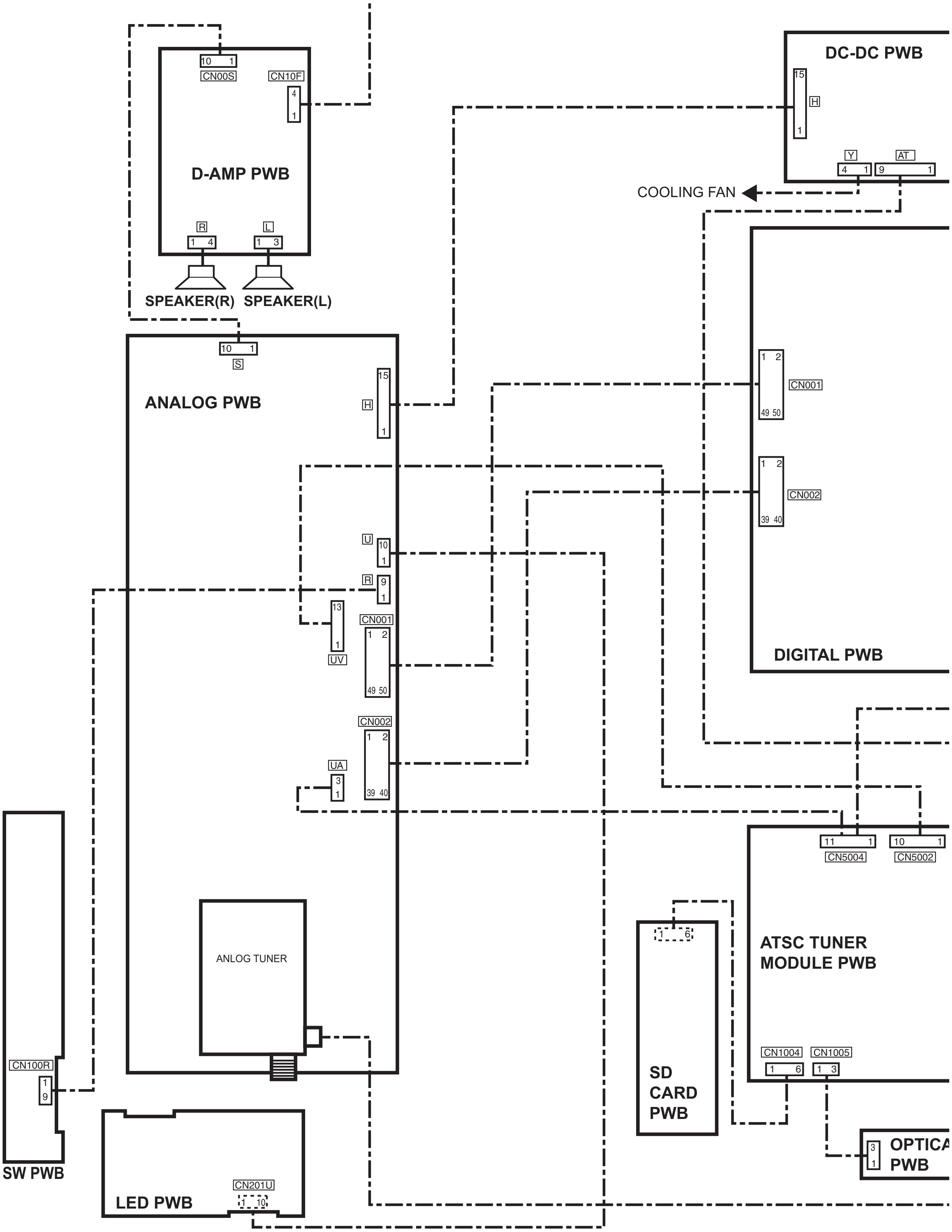

TOP VIEW
N
N
N
1
N
1
N

BLOCK DIAGRAM

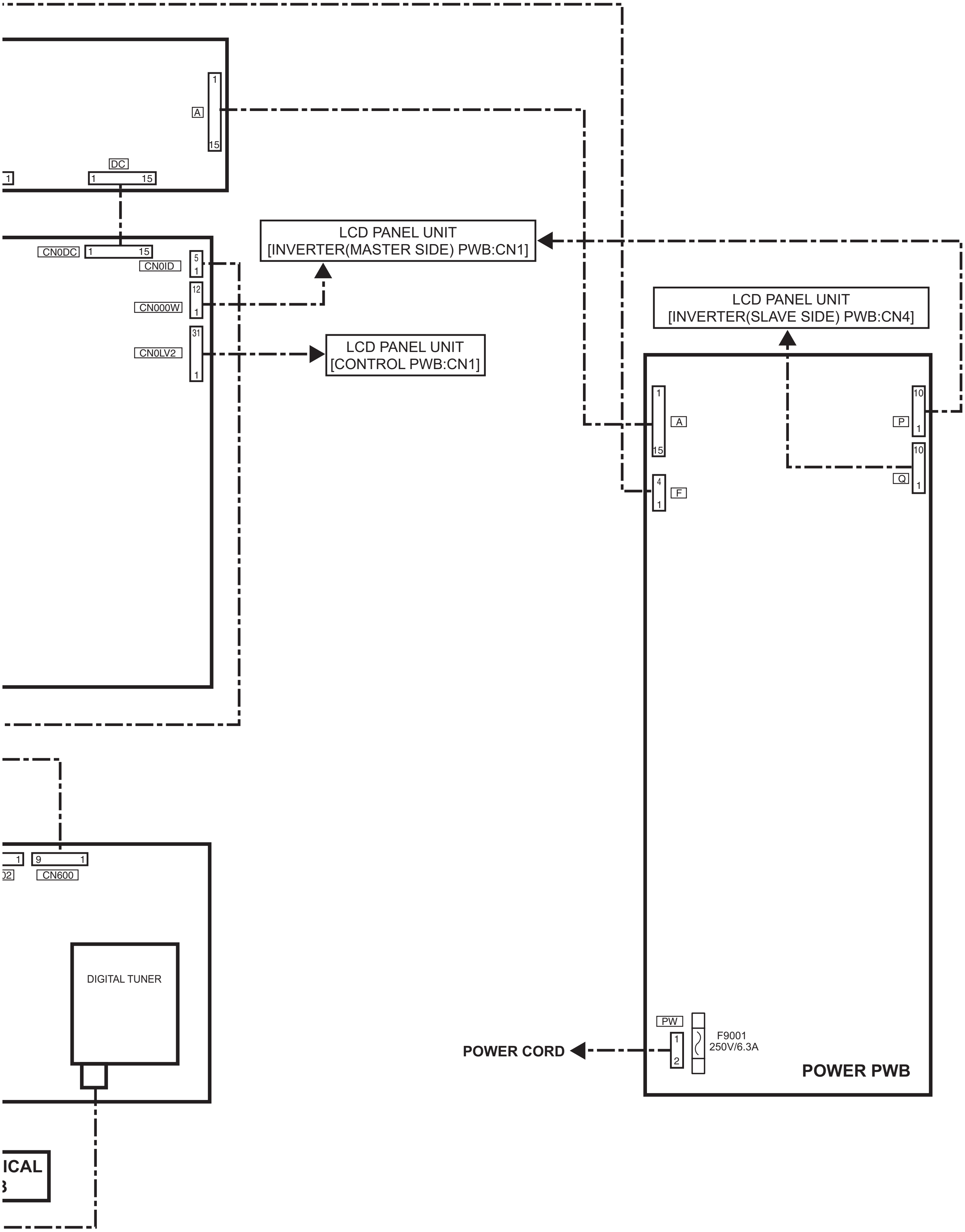

ATSC TUNER MODULE
DIGITAL TUNER
TU-Y/Cb/Cr
IC3101
MTS DEMOD./SURROUND/AUDIO CONTROL
TU3001
U/V FRONTEND
TV_A
TV_V1
STEREO LPF
MAIN LPF
MAIN
SUB LPF
SUB
SAP BPF
SAP LPF
SAP
DE-EMPHASIS
DE-EMPHASIS
MATRIX
TV_L/R
HDM
DIGITAL IN
<HDMI1>
HDM
DIGITAL IN
<HDMI2>
IC101
VIDEO/AUDIO SELECT
DEC_Y
V1_VIN
V2_VIN
V3_VIN
MAIN_VY
S-VIDEO
VIDEO
INPUT1
AUDIO L/R
Y
Pr/Pb
SUB_V
YM_IN / BYM_IN / RYM_I
INPUT2
S-VIDEO
VIDEO
AUDIO L/R
V1_YIN
V2_YIN
SUB_VY
Y/C MIX
INPUT3
VIDEO
AUDIO L/R
Y
Pr/Pb
V1_CIN
V2_CIN
MAIN_C
SUB_C
PC IN (D-SUB)
IC102
VIDEO/AUDIO SELECT
MAIN_VY
V1_G_Y
V3_G_Y
PC_G
DTU_Y
YM_IN
MAIN_C
V1_B_Cb
V3_B_Cb
PC_B
DTU_Cb
BYM_IN
SUB_C
V1_R_Cr
V3_R_Cr
PC_R
DTU_Cr
RYM_IN
TV_L/R
V1_L/R
V2_L/R
V3_L/R
DIN_L/R
MAIN_L/R
HDMI1 AUDIO INPUT L/R
SW
IC106
AUDIO OUT
VE/SURROUN
VOL_L/R
AGC
VOL1
SURR PROC
ANALOG PWB


DIGITAL PWB
SD_DQ1-32
IC6101
DDR-SDRAM
A0-21
D0-15
IC7201
FLASH ROM
A0-21
D0-15
IC7203
FLASH ROM
HDMI
TAL IN
DMI1>
HDMI
TAL IN
DMI2>
HDMI
DRIVER
DV1_R0-7
DV1_G0-7
DV1_B0-7
IC6001
SUB CPU/
A-D CONVERT / YC SEP./
CHROMA DEMOD./
FORMAT CONVERT/
Enhancer / NR
SUB_VY
RYM_IN
A-D
CONVERT
A-D
CONVERT
YC SEP./
CHROMA DEMOD./
FORMAT
CONVERT/
Enhancer/
NR
SUB CPU
RGB
PROCESSOR
OSD
MIX
IC6502
LVDS
DRIVER
LCD
(PANEL)
IC7602
MEMORY
IC7601
MAIN MICOM
MI_TX
MI_RX
MI_CLK
OSDR3-5 /
OSDG3-5 /
OSDB3-5
SW PWB
KEY_1,2
SW
S7701~S7706
MECA_SW
POWER
S7707
IC751
AMP
HP_L/R
J7001
HEADPHONE
LED PWB
POWER_LED
D8902
POWER
REMOCON
IC8752
REMOTE
RECEIVER
IC601
ROUND/AUDIO CONTROL
URROUND
PROCESS
VE
TONE
VOL2
AMP_L/R
IC6501
IC6661
HPF
AUDIO OUT
SPEAKER(L)
SPEAKER(R)
D-AMP PWB

WIRING DIAGRAM

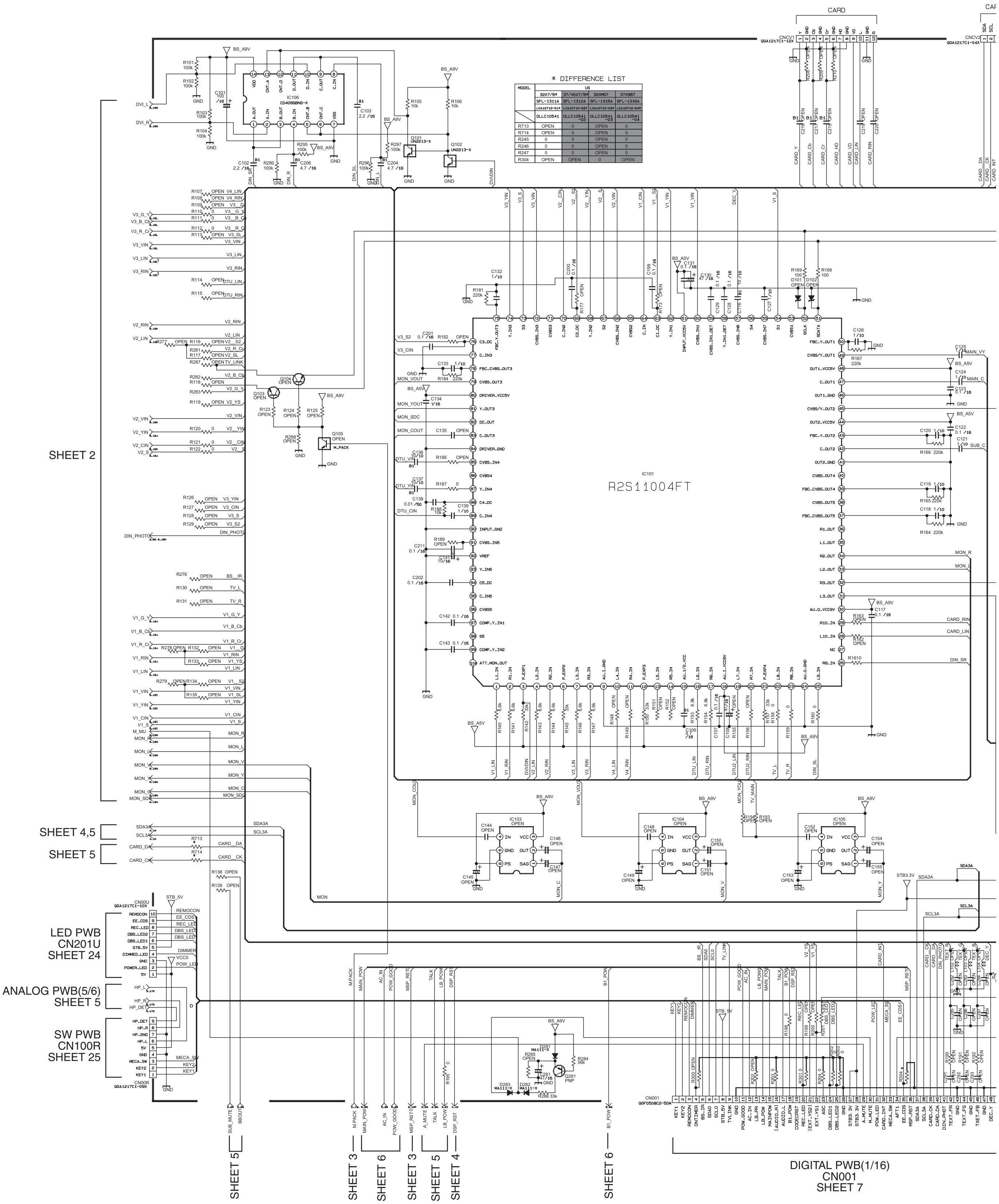


D-AMP PWB
10 1
CN00S
CN10F
4
1
R
L
1 4
1 3
SPEAKER(R)
SPEAKER(L)
DC-DC PWB
15
H
1
Y
AT
4 1
9 1
COOLING FAN
ANALOG PWB
10 1
S
15
H
1
U
10
1
R
9
1
13
1
UV
CN001
1 2
49 50
CN002
1 2
39 40
UA
3
1
ANLOG TUNER
DIGITAL PWB
1 2
CN001
49 50
1 2
CN002
39 40
11 1
CN5004
10 1
CN5002
ATSC TUNER
MODULE PWB
CN1004
1 6
CN1005
1 3
SD
CARD
PWB
1 6
OPTICA
PWB
3
1
CN100R
1
9
SW PWB
LED PWB
CN201U
1 10


1
A
15
DC
1
1 15
CN0DC
1 15
5
1
CN0ID
12
1
CN000W
31
1
CN0LV2
LCD PANEL UNIT
[INVERTER(MASTER SIDE) PWB:CN1]
LCD PANEL UNIT
[CONTROL PWB:CN1]
LCD PANEL UNIT
[INVERTER(SLAVE SIDE) PWB:CN4]
1
A
15
4
F
1
10
P
1
10
Q
1
1
9 1
CN600
DIGITAL TUNER
ICAL
PW
1
2
F9001
250V/6.3A
POWER CORD
POWER PWB

CIRCUIT DIAGRAMS

ANALOG PWB CIRCUIT DIAGRAM (1/6) SHEET 1

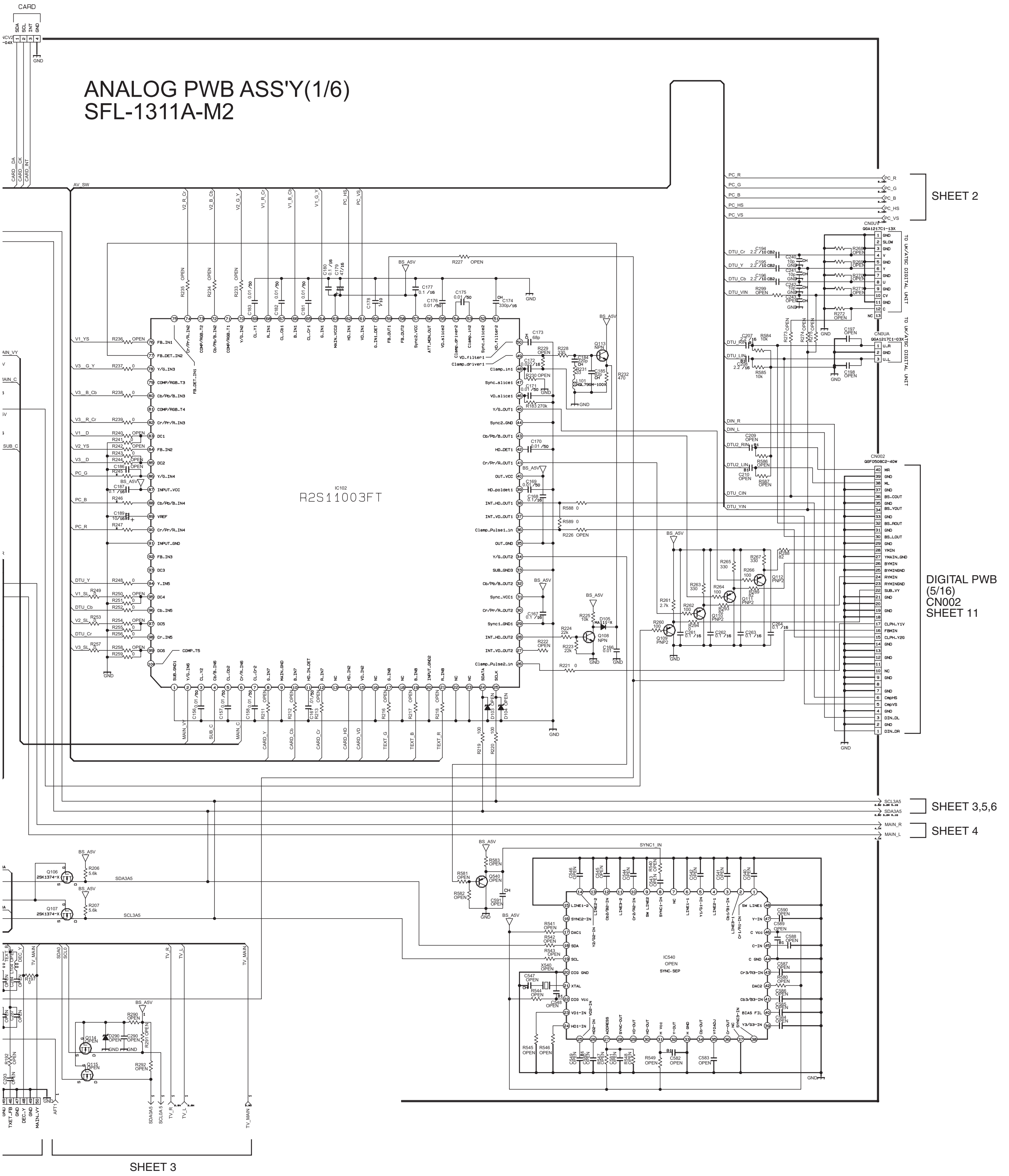


CARD
CNCV1 QQA1217C1-12X
CNCV2 QQA1217C1-04X
IC106 CD4066BNS-X
Q101 UN2213-X
Q102 UN2213-X
Q103
Q104
Q105 M_PACK
IC101
R2S11004FT
IC103
IC104
IC105
Q281 PNP
D281 MA111-X
D282 MA111-X
D283 MA111-X
SHEET 2
SHEET 4,5
SHEET 5
LED PWB CN201U SHEET 24
ANALOG PWB(5/6) SHEET 5
SW PWB CN100R SHEET 25
CN00U QQA1217C1-10X
CN00R QQA1217C1-09X
CN001 QGF0508C2-50N
SHEET 5
SHEET 3
SHEET 6
SHEET 3
SHEET 5
SHEET 4
SHEET 6
DIGITAL PWB(1/16) CN001 SHEET 7

* DIFFERENCE LIST

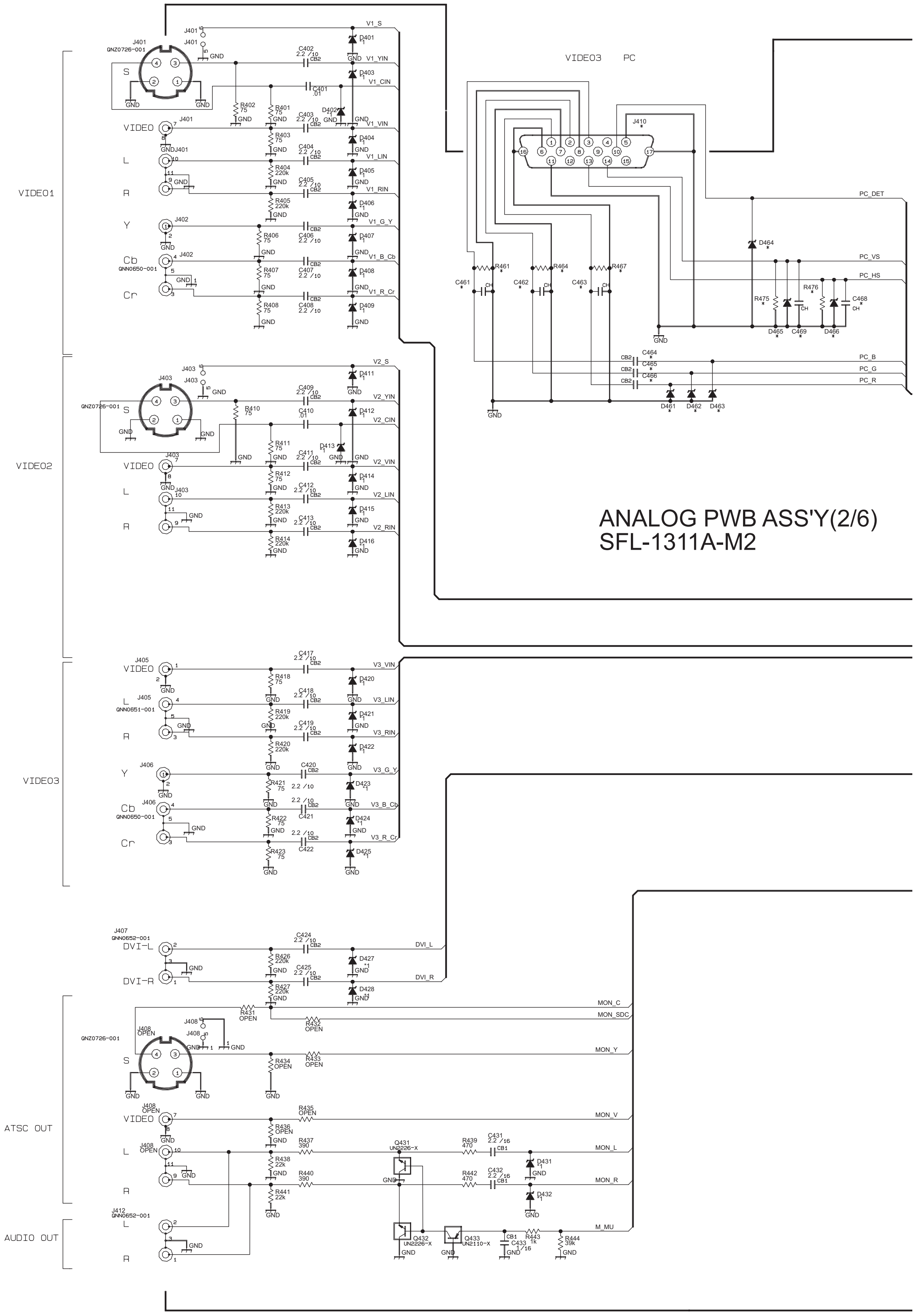
MODEL	US			
	32X7/8*	37/40X7/8*	32XM57	37X987
	SFL-1311A	SFL-1312A	SFL-1315A	SFL-1316A
	LCA10710-01*	LCA10710-02*	LCA10710-03*	LCA10710-04*
	OLLC10541	OLLC10541 -02	OLLC10541 -03	OLLC10541 -04
R713	OPEN	0	OPEN	0
R714	OPEN	0	OPEN	0
R245	0	0	OPEN	0
R246	0	0	OPEN	0
R247	0	0	OPEN	0
R304	OPEN	OPEN	0	OPEN

ANALOG PWB ASS'Y(1/6)
SFL-1311A-M2


CARD
SDA
SCL
INT
GND
AV_SW
IC102
R2S11003FT
IC540
OPEN
SYNC-SEP
SYNC1_IN
SHEET 2
PC_R
PC_G
PC_B
PC_HS
PC_VS
CN0UT
TO UK/ATSC DIGITAL UNIT
CN0UA
CN002
DIGITAL PWB
(5/16)
CN002
SHEET 11
SHEET 3,5,6
SCL3A5
SDA3A5
SHEET 4
MAIN_R
MAIN_L
SHEET 3
BS_A5V
GND
Q106
2SK1374-X
Q107
2SK1374-X
Q108
NPN
Q109
PNP2
Q110
PNP2
Q111
PNP2
Q112
PNP2
Q113
NPN
Q540
TV_MAIN
TV_R
TV_L
SDA3A5
SCL0A5
AFT

c10459001a001_0410_1/6_0.0

ANALOG PWB CIRCUIT DIAGRAM (2/6) SHEET 2


ANALOG PWB ASS'Y(2/6)
SFL-1311A-M2
VIDEO1
VIDEO2
VIDEO3
ATSC OUT
AUDIO OUT
VIDEO3 PC
S
VIDEO
L
R
Y
Cb
Cr
DVI-L
DVI-R
J401
J402
J403
J405
J406
J407
J408
J410
J412
GNZ0726-001
GNN0650-001
GNN0651-001
GNN0652-001
V1_S
V1_YIN
V1_CIN
V1_VIN
V1_LIN
V1_RIN
V1_G_Y
V1_B_Cb
V1_R_Cr
V2_S
V2_YIN
V2_CIN
V2_VIN
V2_LIN
V2_RIN
V3_VIN
V3_LIN
V3_RIN
V3_G_Y
V3_B_Cb
V3_R_Cr
DVI_L
DVI_R
MON_C
MON_SDC
MON_Y
MON_V
MON_L
MON_R
M_MU
PC_DET
PC_VS
PC_HS
PC_B
PC_G
PC_R
GND
Q431 UN2226-X
Q432 UN2226-X
Q433 UN2110-X
R431 OPEN
R432 OPEN
R433 OPEN
R434 OPEN
R435 OPEN
R436 OPEN
R437 390
R438 22k
R439 470
R440 390
R441 22k
R442 470
R443 1k
R444 39k
C431 2.2 /16
C432 2.2 /16
C433 1/16
R461
R464
R467
R475
R476
C461
C462
C463
C464
C465
C466
C468
C469
D461
D462
D463
D464
D465
D466
CB1
CB2
CH

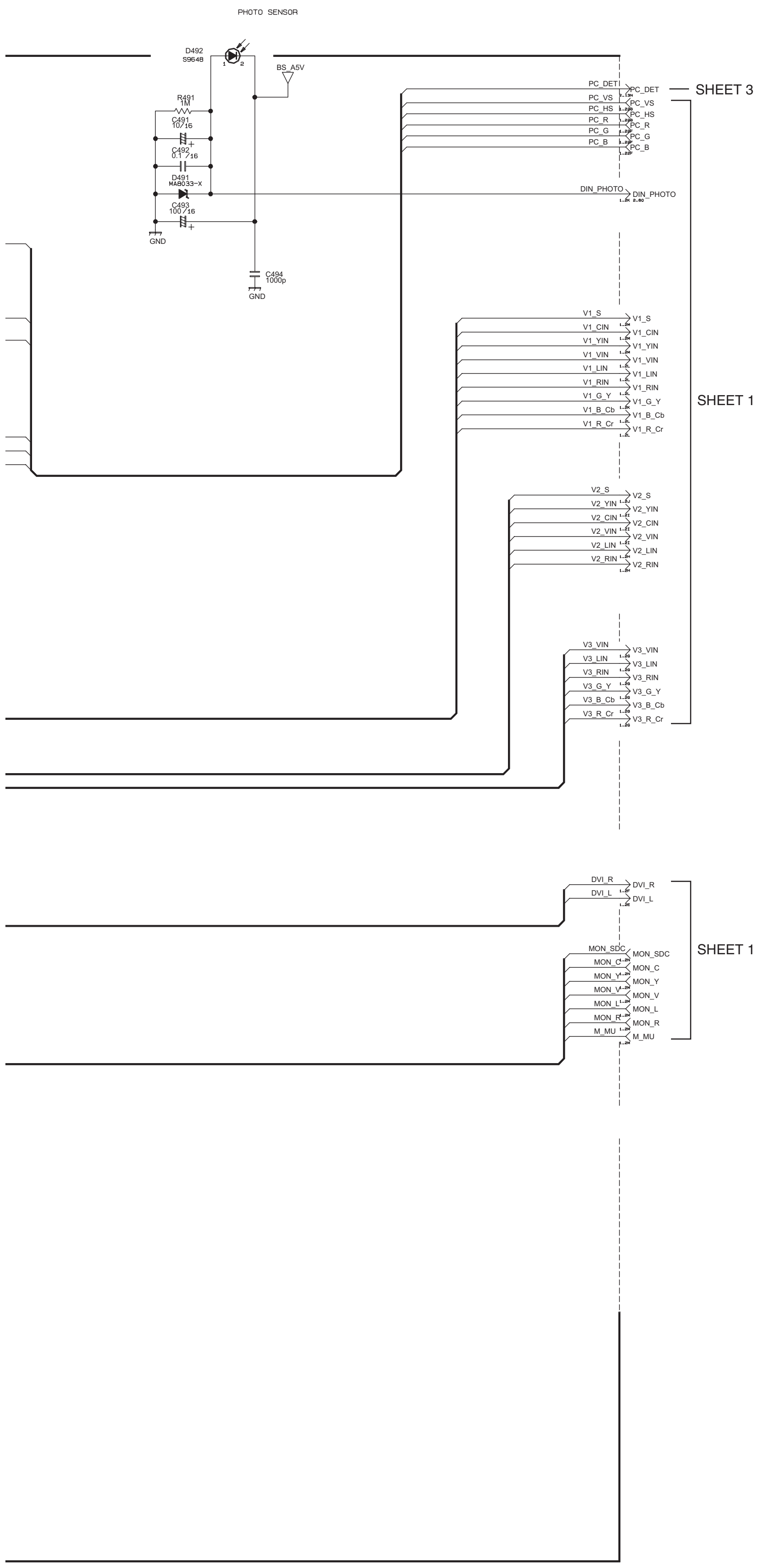


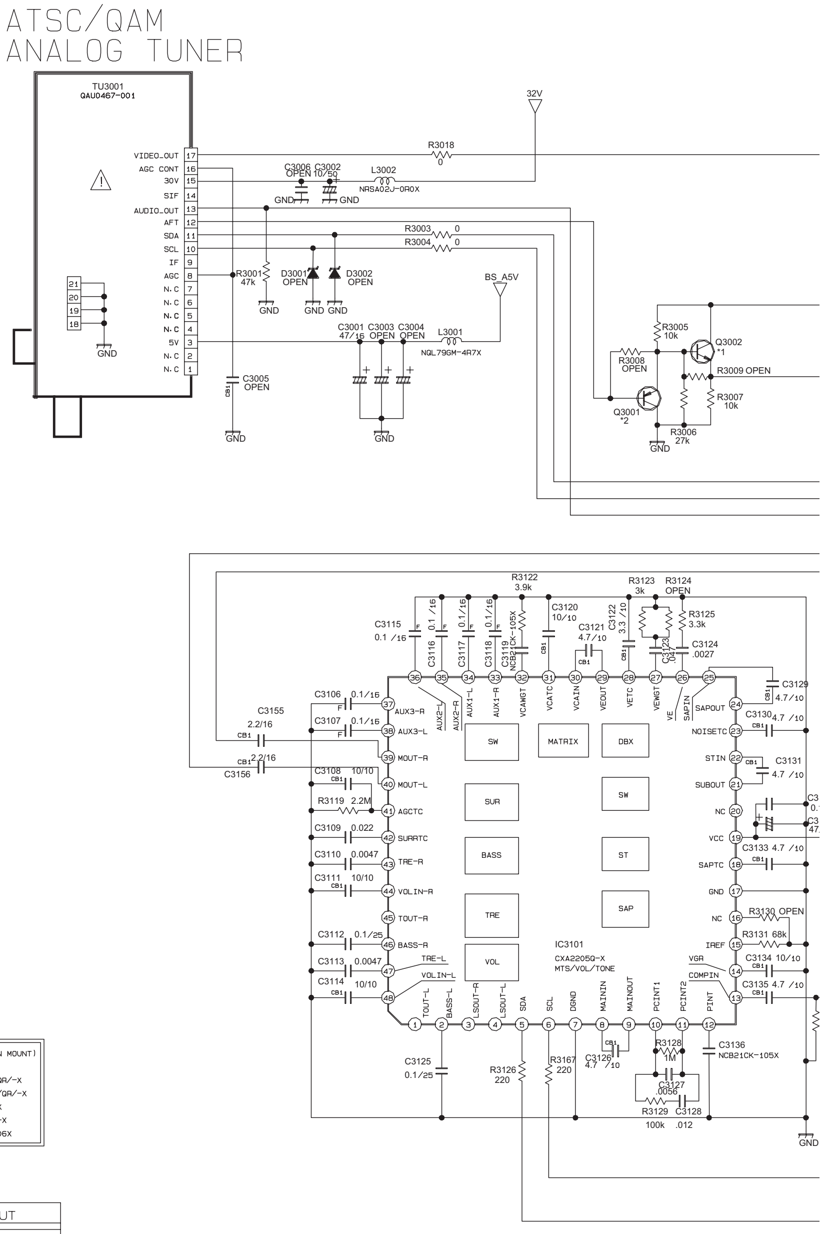
PHOTO SENSOR
D492
S9648
1
2
BS_A5V
R491
1M
C491
10/16
C492
0.1 /16
D491
MA8033-X
C493
100/16
GND
C494
1000p
GND
PC_DET
PC_VS
PC_HS
PC_R
PC_G
PC_B
PC_DET
PC_VS
PC_HS
PC_R
PC_G
PC_B
SHEET 3
DIN_PHOTO
DIN_PHOTO
V1_S
V1_CIN
V1_YIN
V1_VIN
V1_LIN
V1_RIN
V1_G_Y
V1_B_Cb
V1_R_Cr
V1_S
V1_CIN
V1_YIN
V1_VIN
V1_LIN
V1_RIN
V1_G_Y
V1_B_Cb
V1_R_Cr
SHEET 1
V2_S
V2_YIN
V2_CIN
V2_VIN
V2_LIN
V2_RIN
V2_S
V2_YIN
V2_CIN
V2_VIN
V2_LIN
V2_RIN
V3_VIN
V3_LIN
V3_RIN
V3_G_Y
V3_B_Cb
V3_R_Cr
V3_VIN
V3_LIN
V3_RIN
V3_G_Y
V3_B_Cb
V3_R_Cr
DVI_R
DVI_L
DVI_R
DVI_L
MON_SDC
MON_C
MON_Y
MON_V
MON_L
MON_R
M_MU
MON_SDC
MON_C
MON_Y
MON_V
MON_L
MON_R
M_MU
SHEET 1

* DIFFERENCE LIST

MODEL	US			
	32X7/8*	37/40X7/8*	32XM57	37X987
	SFL-1311A	SFL-1312A	SFL-1315A	SFL-1316A
	LCA10710-01*	LCA10710-02*	LCA10710-03*	LCA10710-04*
	OLLC10541	OLLC10541 -02	OLLC10541 -03	OLLC10541 -04
J410	QNZ0561-001	QNZ0561-001	OPEN	QNZ0561-001
R461	75	75	OPEN	75
R464	75	75	OPEN	75
R467	75	75	OPEN	75
R475	330	330	0	330
R476	330	330	0	330
C461	100p/50	100p/50	OPEN	100p/50
C462	100p/50	100p/50	OPEN	100p/50
C463	100p/50	100p/50	OPEN	100p/50
C464	2.2/10	2.2/10	OPEN	2.2/10
C465	2.2/10	2.2/10	OPEN	2.2/10
C466	2.2/10	2.2/10	OPEN	2.2/10
C468	100p/50	100p/50	OPEN	100p/50
C469	100p/50	100p/50	OPEN	100p/50
D461	*1	*1	OPEN	*1
D462	*1	*1	OPEN	*1
D463	*1	*1	OPEN	*1
D464	*1	*1	OPEN	*1
D465	*1	*1	OPEN	*1
D466	*1	*1	OPEN	*1

c10459001a006_0410_6/6_0.0

ANALOG PWB CIRCUIT DIAGRAM (3/6) SHEET 3

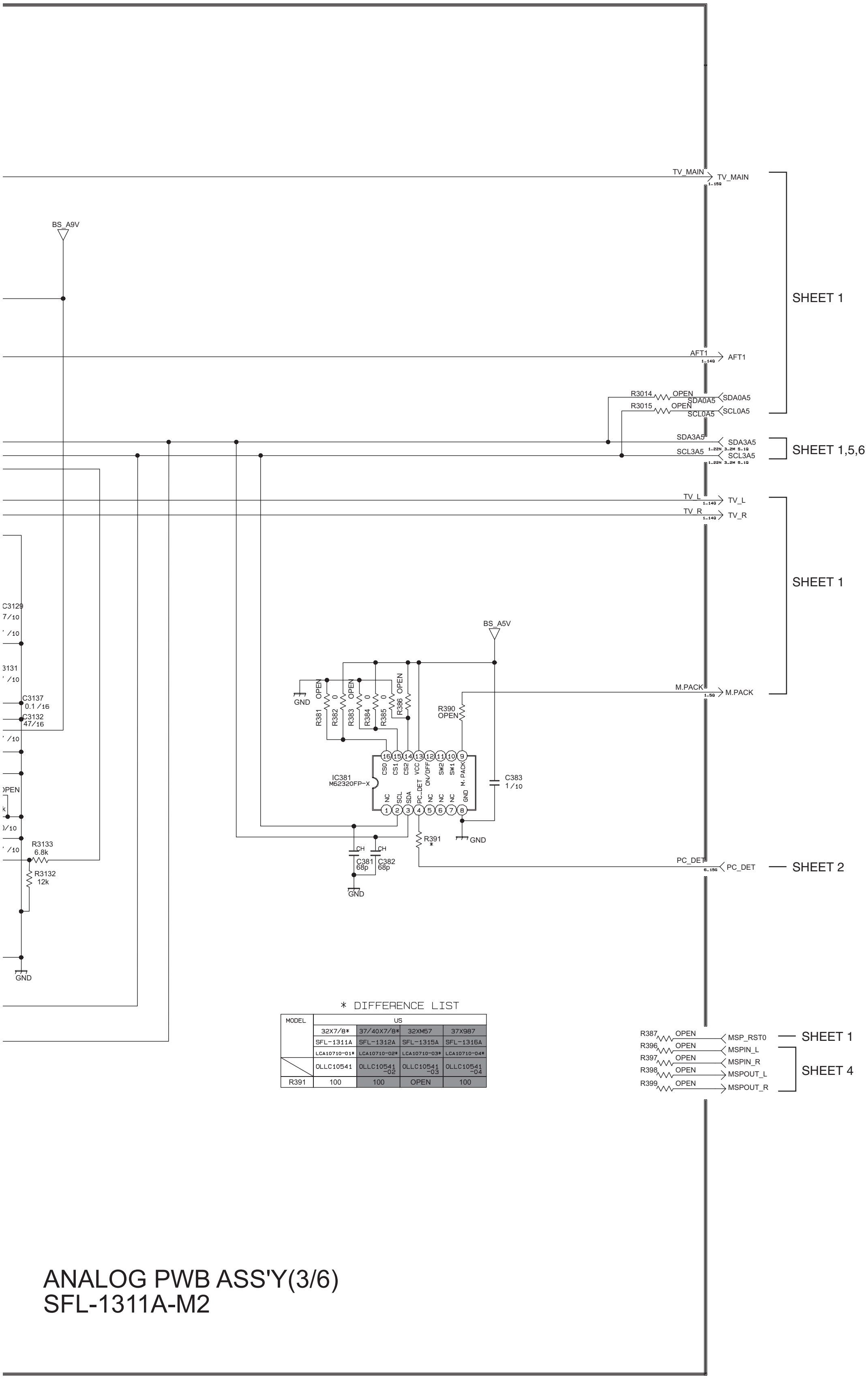

ATSC/QAM
ANALOG TUNER
TU3001
QAU0467-001
VIDEO_OUT 17
AGC CONT 16
30V 15
SIF 14
AUDIO_OUT 13
AFT 12
SDA 11
SCL 10
IF 9
AGC 8
N.C 7
N.C 6
N.C 5
N.C 4
5V 3
N.C 2
N.C 1
21
20
19
18
GND
32V
R3018
0
C3006 OPEN
C3002 10/50
L3002
NRSA02J-0R0X
R3003 0
R3004 0
R3001 47k
D3001 OPEN
D3002 OPEN
BS_A5V
C3001 47/16
C3003 OPEN
C3004 OPEN
L3001
NQL79GM-4R7X
C3005 OPEN
R3005 10k
Q3002 *1
R3008 OPEN
R3009 OPEN
R3007 10k
Q3001 *2
R3006 27k
IC3101
CXA2205Q-X
MTS/VOL/TONE
SW
MATRIX
DBX
SUR
BASS
TRE
VOL
ST
SAP
R3122 3.9k
R3123 3k
R3124 OPEN
R3125 3.3k
C3115 0.1/16
C3116 0.1/16
C3117 0.1/16
C3118 0.1/16
C3119 NCB21CK-105X
C3120 10/10
C3121 4.7/10
C3122 3.3/10
C3123 .047
C3124 .0027
C3129 4.7/10
C3130 4.7/10
C3131 4.7/10
C3133 4.7/10
C3134 10/10
C3135 4.7/10
C3136 NCB21CK-105X
R3130 OPEN
R3131 68k
C3106 0.1/16
C3107 0.1/16
C3155 2.2/16
C3156 2.2/16
C3108 10/10
R3119 2.2M
C3109 0.022
C3110 0.0047
C3111 10/10
C3112 0.1/25
C3113 0.0047
C3114 10/10
C3125 0.1/25
R3126 220
R3167 220
C3126 4.7/10
R3128 1M
C3127 .0056
R3129 100k
C3128 .012
AUX3-R
AUX3-L
MOUT-R
MOUT-L
AGCTC
SURRTC
TRE-R
VOLIN-R
TOUT-R
BASS-R
TRE-L
VOLIN-L
AUX2-L
AUX2-R
AUX1-L
AUX1-R
VCAWGT
VCATC
VCAIN
VEOUT
VETC
VEWGT
VE
SAPIN
SAPOUT
NOISETC
STIN
SUBOUT
NC
VCC
SAPTC
GND
IREF
VGR
COMPIN
TOUT-L
BASS-L
LSOUT-R
LSOUT-L
SDA
SCL
DGND
MAININ
MAINOUT
PCINT1
PCINT2
PINT
CB1
GND

- NOTE -

OPEN	:OPTION(NON MOUNT)
0	:0
*1	:2SC2412K/QR/-X
*2	:2SA1037AK/QR/-X
*3	:DTC323TK-X
*4	:DTC144EKA-X
*5	:NCB11AK-106X

*A/B

A	B	OUT
H	H	MAIN_L/R
L	H	LIP_L/R
H	L	CENT_IN


TV_MAIN
BS_A9V
SHEET 1
AFT1
R3014 OPEN SDA0A5
R3015 OPEN SCL0A5
SDA3A5
SCL3A5
SHEET 1,5,6
TV_L
TV_R
SHEET 1
BS_A5V
C3129
C3131
C3137 0.1/16
C3132 47/16
R3133 6.8k
R3132 12k
GND
OPEN
R381
R382 0
R383 OPEN
R384 0
R385 0
R386 OPEN
R390 OPEN
M.PACK
IC381 M62320FP-X
CS0
CS1
CS2
VCC
ON/OFF
SW2
SW1
M.PACK
NC
SCL
SDA
PC_DET
NC
NC
NC
GND
C383 1/10
R391 *
C381 68p
C382 68p
CH
PC_DET
SHEET 2
R387 OPEN MSP_RST0
SHEET 1
R396 OPEN MSPIN_L
R397 OPEN MSPIN_R
R398 OPEN MSPOUT_L
R399 OPEN MSPOUT_R
SHEET 4

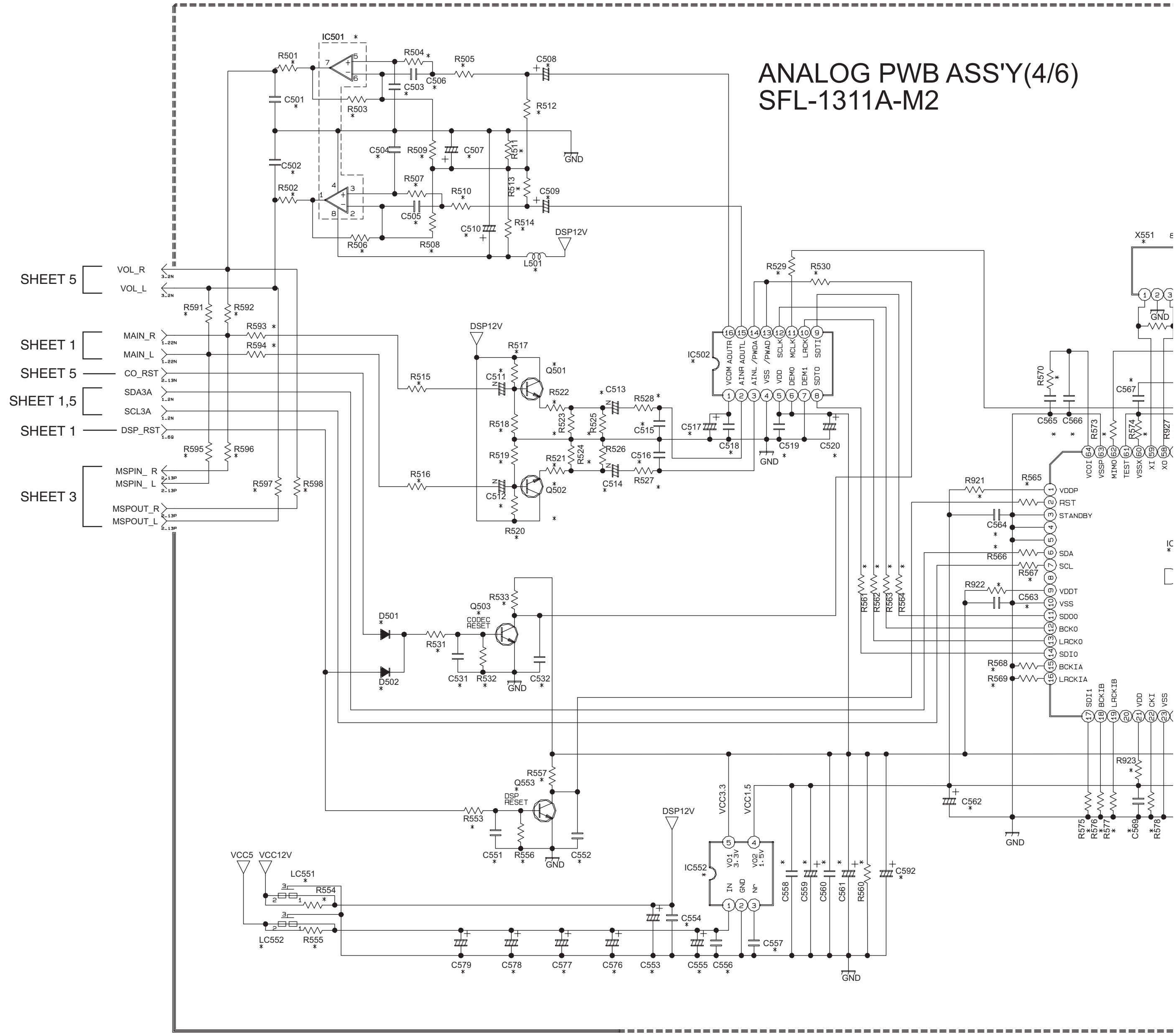
* DIFFERENCE LIST

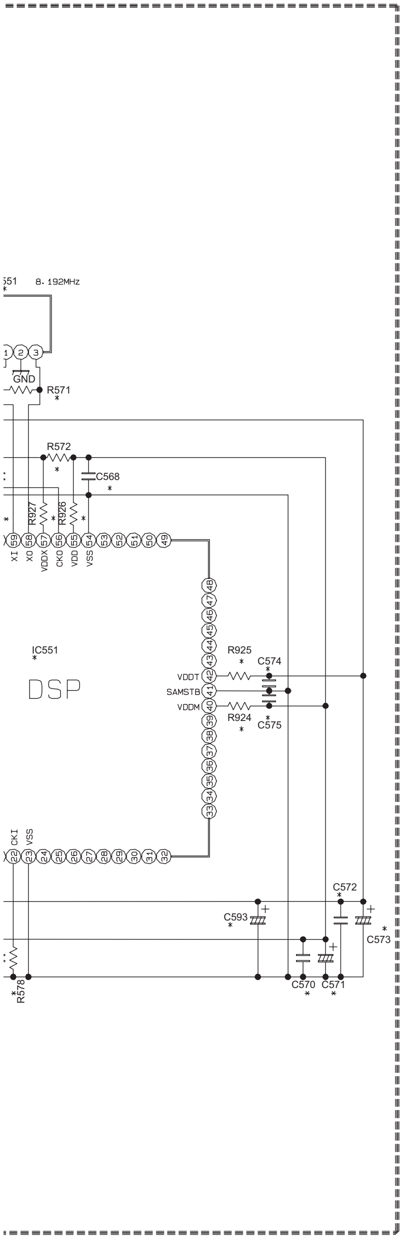
MODEL	US			
	32X7/8*	37/40X7/8*	32XM57	37X987
	SFL-1311A	SFL-1312A	SFL-1315A	SFL-1316A
	LCA10710-01*	LCA10710-02*	LCA10710-03*	LCA10710-04*
	OLLC10541	OLLC10541 -02	OLLC10541 -03	OLLC10541 -04
R391	100	100	OPEN	100

ANALOG PWB ASS'Y(3/6)
SFL-1311A-M2

c10459001a002_0410_2/6_0.0

ANALOG PWB CIRCUIT DIAGRAM (4/6) SHEET 4


ANALOG PWB ASS'Y(4/6)
SFL-1311A-M2
SHEET 5
VOL_R
VOL_L
SHEET 1
MAIN_R
MAIN_L
SHEET 5
CO_RST
SHEET 1,5
SDA3A
SCL3A
SHEET 1
DSP_RST
SHEET 3
MSPIN_ R
MSPIN_ L
MSPOUT_R
MSPOUT_L
IC501
R501
R502
R503
R504
R505
R506
R507
R508
R509
R510
R511
R512
R513
R514
C501
C502
C503
C504
C505
C506
C507
C508
C509
C510
GND
DSP12V
L501
R591
R592
R593
R594
R595
R596
R597
R598
R515
R516
R517
R518
R519
R520
R521
R522
R523
R524
R525
R526
R527
R528
C511
C512
C513
C514
C515
C516
C517
C518
C519
C520
Q501
Q502
IC502
VCOM
AINR
AINL
VDD
VSS
DEM0
DEM1
SDTO
AOUTR
AOUTL
/PWDA
/PWAD
SCLK
MCLK
LRCK
SDTI
R529
R530
D501
D502
Q503
CODEC RESET
R531
R532
R533
C531
C532
R557
Q553
DSP RESET
R553
R556
C551
C552
VCC5
VCC12V
LC551
LC552
R554
R555
C579
C578
C577
C576
C553
C554
C555
C556
C557
IC552
VCC3.3
VCC1.5
VO1 3.3V
VO2 1.5V
IN
GND
C558
C559
C560
C561
R560
C592
R561
R562
R563
R564
R565
R566
R567
R568
R569
R570
R573
R574
R575
R576
R577
R578
R921
R922
R923
R927
C562
C563
C564
C565
C566
C567
C569
X551
VDDP
RST
STANDBY
SDA
SCL
VDDT
VSS
SDO0
BCKO
LRCKO
SDIO
BCKIA
LRCKIA
SDI1
BCKIB
LRCKIB
VDD
CKI
VSS
VCOI
VSSP
MIMO
TEST
VSSX
XI
XO



* DIFFERENCE LIST

MODEL	JPN	US					
		32X7/8*	37/40X7/8*	32XM57	37X987	40/46FH97	40/46FN97
	SFL-1321A	SFL-1311A	SFL-1312A	SFL-1315A	SFL-1316A	SFL-1313A	SFL-1314A
	LCA10712-01*	LCA10710-01*	LCA10710-02*	LCA10710-03*	LCA10710-04*	LCA10715-01*	LCA10715-02*
	0LLC10586	0LLC10541	0LLC10541 -02	0LLC10541 -03	0LLC10541 -04	0LLC10761	0LLC10761 -02
IC501	HA17558AF-X	OPEN	OPEN	OPEN	HA17558AF-X	HA17558AF-X	HA17558AF-X
IC502	AK4554VT-X	OPEN	OPEN	OPEN	AK4554VT-X	AK4554VT-X	AK4554VT-X
IC551	JCC5067	OPEN	OPEN	OPEN	JCC5067	JCC5067	JCC5067
IC552	PQ2L3152MS-X	OPEN	PQ2L3152MS-X	OPEN	PQ2L3152MS-X	PQ2L3152MS-X	PQ2L3152MS-X
X551	NAX0623-001X	OPEN	OPEN	OPEN	NAX0623-001X	NAX0623-001X	NAX0623-001X
L501	NRSA02J-0R0X	OPEN	OPEN	OPEN	NRSA02J-0R0X	NRSA02J-0R0X	NRSA02J-0R0X
LC551	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
LC552	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
Q501	NPN	OPEN	OPEN	OPEN	NPN	NPN	NPN
Q502	NPN	OPEN	OPEN	OPEN	NPN	NPN	NPN
Q503	NPN	OPEN	OPEN	OPEN	NPN	NPN	NPN
Q553	NPN	OPEN	OPEN	OPEN	NPN	NPN	NPN
R501	220	OPEN	OPEN	OPEN	220	220	220
R502	220	OPEN	OPEN	OPEN	220	220	220
R503	4.7k	OPEN	OPEN	OPEN	4.7k	4.7k	4.7k
R504	3.3k	OPEN	OPEN	OPEN	3.3k	3.3k	3.3k
R505	3.3k	OPEN	OPEN	OPEN	3.3k	3.3k	3.3k
R506	4.7k	OPEN	OPEN	OPEN	4.7k	4.7k	4.7k
R507	3.3k	OPEN	OPEN	OPEN	3.3k	3.3k	3.3k
R508	1k	OPEN	OPEN	OPEN	1k	1k	1k
R509	1k	OPEN	OPEN	OPEN	1k	1k	1k
R510	3.3k	OPEN	OPEN	OPEN	3.3k	3.3k	3.3k
R511	10k	OPEN	OPEN	OPEN	10k	10k	10k
R512	33k	OPEN	OPEN	OPEN	33k	33k	33k
R513	33k	OPEN	OPEN	OPEN	33k	33k	33k
R514	10k	OPEN	OPEN	OPEN	10k	10k	10k
R515	0	OPEN	OPEN	OPEN	0	0	0
R516	0	OPEN	OPEN	OPEN	0	0	0
R517	33k	OPEN	OPEN	OPEN	33k	33k	33k
R518	33k	OPEN	OPEN	OPEN	33k	33k	33k
R519	33k	OPEN	OPEN	OPEN	33k	33k	33k
R520	33k	OPEN	OPEN	OPEN	33k	33k	33k
R521	3.3k	OPEN	OPEN	OPEN	3.3k	3.3k	3.3k
R522	3.3k	OPEN	OPEN	OPEN	3.3k	3.3k	3.3k
R523	1k	OPEN	OPEN	OPEN	1k	1k	1k
R524	1k	OPEN	OPEN	OPEN	1k	1k	1k
R525	1k	OPEN	OPEN	OPEN	1k	1k	1k
R526	1k	OPEN	OPEN	OPEN	1k	1k	1k
R527	470	OPEN	OPEN	OPEN	470	470	470
R528	470	OPEN	OPEN	OPEN	470	470	470
R529	100	OPEN	OPEN	OPEN	100	100	100
R530	0	OPEN	OPEN	OPEN	0	0	0
R531	10k	OPEN	OPEN	OPEN	10k	10k	10k
R532	10k	OPEN	OPEN	OPEN	10k	10k	10k
R533	10k	OPEN	OPEN	OPEN	10k	10k	10k
R553	10k	OPEN	OPEN	OPEN	10k	10k	10k
R554	0	OPEN	OPEN	OPEN	0	0	0
R555	0	OPEN	0	OPEN	0	0	0
R556	10k	OPEN	OPEN	OPEN	10k	10k	10k
R557	10k	OPEN	OPEN	OPEN	10k	10k	10k
R560	6.8k	OPEN	6.8k	OPEN	6.8k	6.8k	6.8k
R561	220	OPEN	OPEN	OPEN	220	220	220
R562	220	OPEN	OPEN	OPEN	220	220	220
R563	220	OPEN	OPEN	OPEN	220	220	220
R564	220	OPEN	OPEN	OPEN	220	220	220
R565	0	OPEN	OPEN	OPEN	0	0	0
R566	100	OPEN	OPEN	OPEN	100	100	100
R567	100	OPEN	OPEN	OPEN	100	100	100
R568	10k	OPEN	OPEN	OPEN	10k	10k	10k
R569	10k	OPEN	OPEN	OPEN	10k	10k	10k
R570	100	OPEN	OPEN	OPEN	100	100	100
R571	1M	OPEN	OPEN	OPEN	1M	1M	1M
R572	4.7	OPEN	OPEN	OPEN	4.7	4.7	4.7
R573	10k	OPEN	OPEN	OPEN	10k	10k	10k
R574	0	OPEN	OPEN	OPEN	0	0	0
R575	10k	OPEN	OPEN	OPEN	10k	10k	10k
R576	10k	OPEN	OPEN	OPEN	10k	10k	10k
R577	10k	OPEN	OPEN	OPEN	10k	10k	10k
R578	10k	OPEN	OPEN	OPEN	10k	10k	10k
R921	0	OPEN	OPEN	OPEN	0	0	0
R922	0	OPEN	OPEN	OPEN	0	0	0
R923	0	OPEN	OPEN	OPEN	0	0	0
R924	0	OPEN	OPEN	OPEN	0	0	0
R925	0	OPEN	OPEN	OPEN	0	0	0
R926	0	OPEN	OPEN	OPEN	0	0	0
R927	0	OPEN	OPEN	OPEN	0	0	0
D501	1SS355-X	OPEN	OPEN	OPEN	1SS355-X	1SS355-X	1SS355-X
D502	1SS355-X	OPEN	OPEN	OPEN	1SS355-X	1SS355-X	1SS355-X

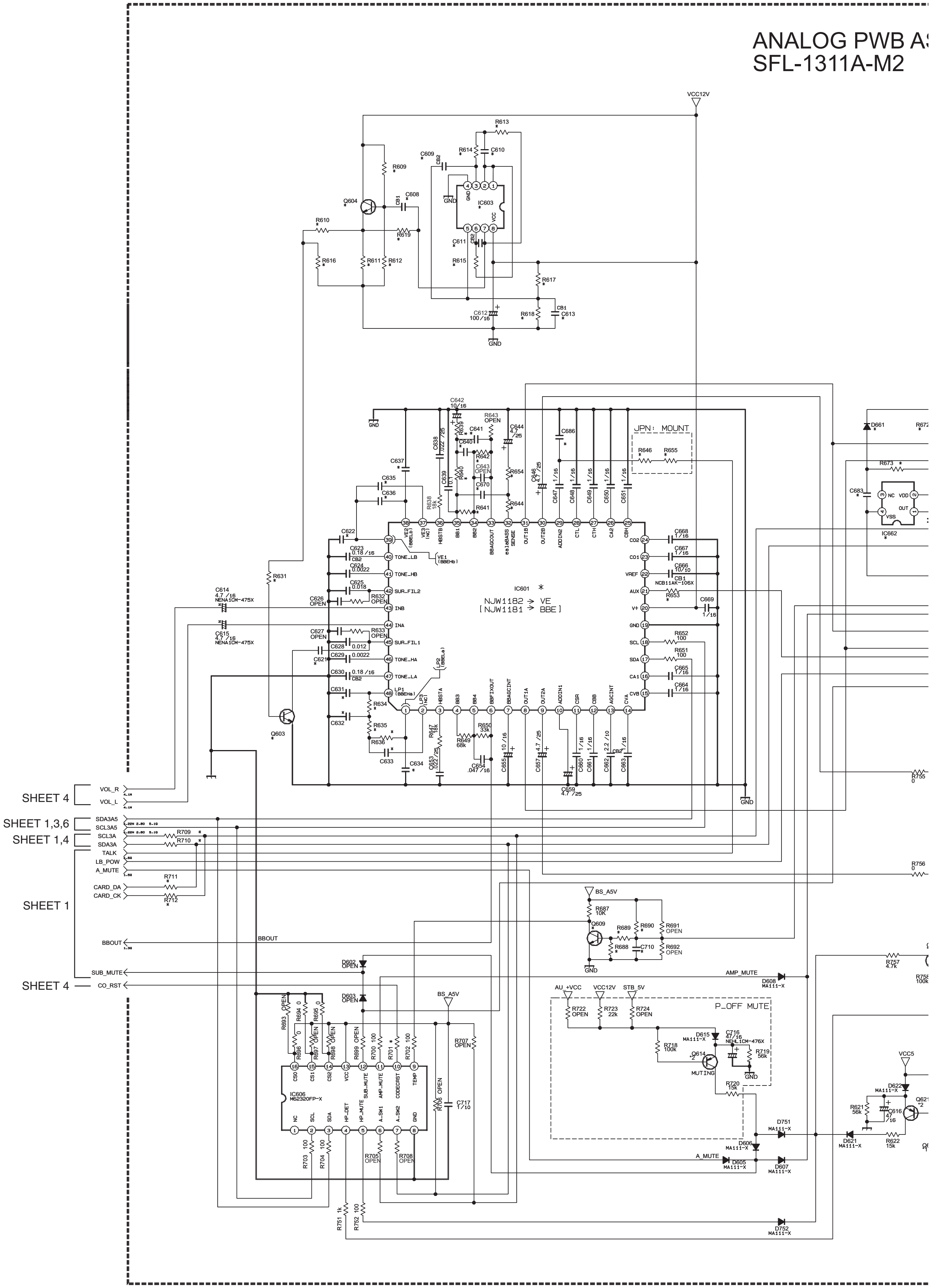
* DIFFERENCE LIST

MODEL	JPN	US					
		32X7/8*	37/40X7/8*	32XM57	37X987	40/46FH97	40/46FN97
	SFL-1321A	SFL-1311A	SFL-1312A	SFL-1315A	SFL-1316A	SFL-1313A	SFL-1314A
	LCA10712-01*	LCA10710-01*	LCA10710-02*	LCA10710-03*	LCA10710-04*	LCA10715-01*	LCA10715-02*
	0LLC10586	0LLC10541	0LLC10541 -02	0LLC10541 -03	0LLC10541 -04	0LLC10761	0LLC10761 -02
R591	OPEN	0	0	0	OPEN	OPEN	OPEN
R592	OPEN	0	0	0	OPEN	OPEN	OPEN
R593	0	OPEN	OPEN	OPEN	0	0	0
R594	0	OPEN	OPEN	OPEN	0	0	0
R595	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R596	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R597	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R598	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN

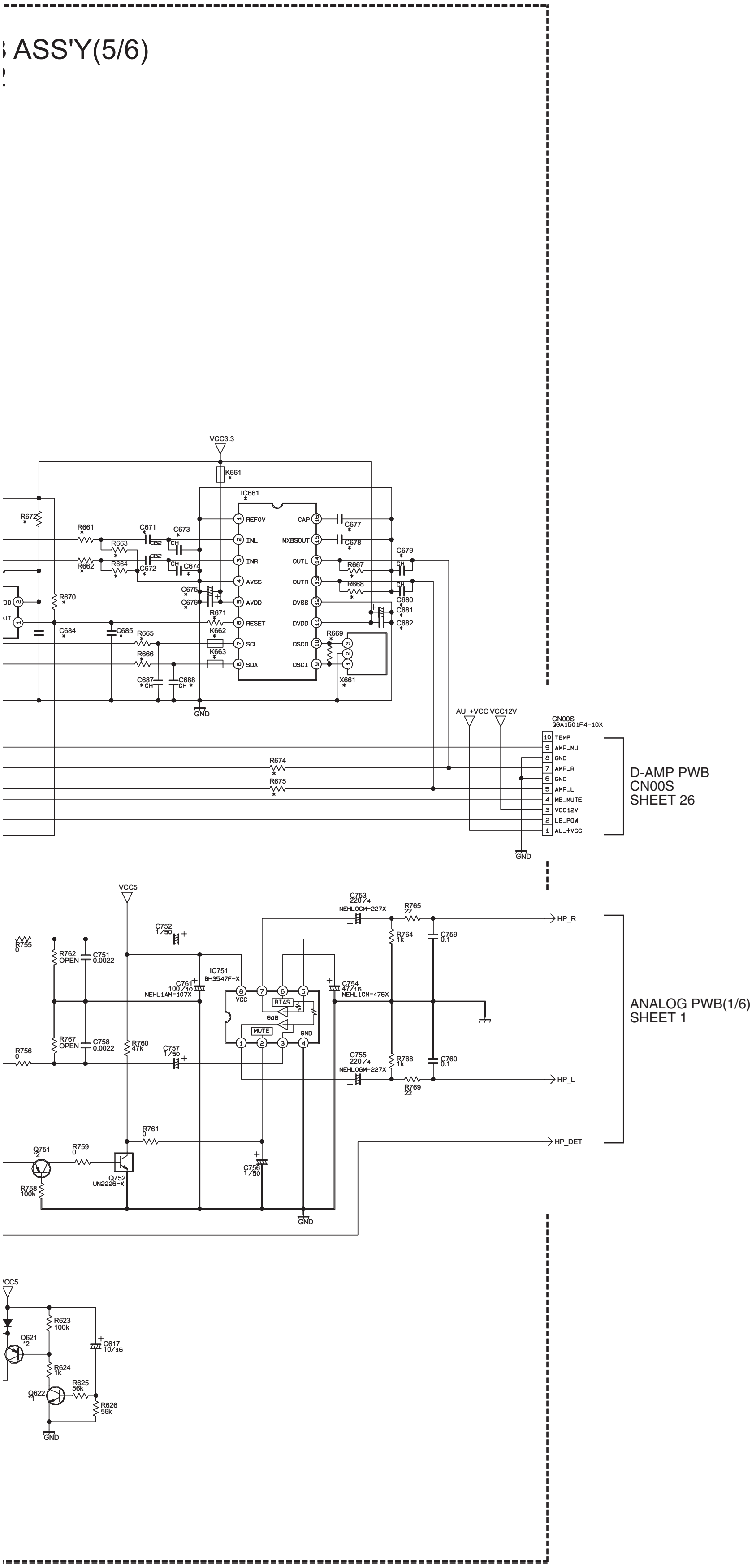
* DIFFERENCE LIST

MODEL	JPN	US					
		32X7/8*	37/40X7/8*	32XM57	37X987	40/46FH97	40/46FN97
	SFL-1321A	SFL-1311A	SFL-1312A	SFL-1315A	SFL-1316A	SFL-1313A	SFL-1314A
	LCA10712-01*	LCA10710-01*	LCA10710-02*	LCA10710-03*	LCA10710-04*	LCA10715-01*	LCA10715-02*
	0LLC10586	0LLC10541	0LLC10541 -02	0LLC10541 -03	0LLC10541 -04	0LLC10761	0LLC10761 -02
C501	NCB31HK-223X	OPEN	OPEN	OPEN	NCB31HK-223X	NCB31HK-223X	NCB31HK-223X
C502	NCB31HK-223X	OPEN	OPEN	OPEN	NCB31HK-223X	NCB31HK-223X	NCB31HK-223X
C503	0.0022	OPEN	OPEN	OPEN	0.0022	0.0022	0.0022
C504	0.0022	OPEN	OPEN	OPEN	0.0022	0.0022	0.0022
C505	0.0082	OPEN	OPEN	OPEN	0.0082	0.0082	0.0082
C506	0.0082	OPEN	OPEN	OPEN	0.0082	0.0082	0.0082
C507	NEHL1AM-107X	OPEN	OPEN	OPEN	NEHL1AM-107X	NEHL1AM-107X	NEHL1AM-107X
C508	1/50	OPEN	OPEN	OPEN	1/50	1/50	1/50
C509	1/50	OPEN	OPEN	OPEN	1/50	1/50	1/50
C510	NEHL1CM-476X	OPEN	OPEN	OPEN	NEHL1CM-476X	NEHL1CM-476X	NEHL1CM-476X
C511	NENA1CM-475X	OPEN	OPEN	OPEN	NENA1CM-475X	NENA1CM-475X	NENA1CM-475X
C512	NENA1CM-475X	OPEN	OPEN	OPEN	NENA1CM-475X	NENA1CM-475X	NENA1CM-475X
C513	NENA1CM-475X	OPEN	OPEN	OPEN	NENA1CM-475X	NENA1CM-475X	NENA1CM-475X
C514	NENA1CM-475X	OPEN	OPEN	OPEN	NENA1CM-475X	NENA1CM-475X	NENA1CM-475X
C515	1000p	OPEN	OPEN	OPEN	1000p	1000p	1000p
C516	1000p	OPEN	OPEN	OPEN	1000p	1000p	1000p
C517	NEHL1EM-475X	OPEN	OPEN	OPEN	NEHL1EM-475X	NEHL1EM-475X	NEHL1EM-475X
C518	0.1	OPEN	OPEN	OPEN	0.1	0.1	0.1
C519	0.1	OPEN	OPEN	OPEN	0.1	0.1	0.1
C520	NEHL1CM-106X	OPEN	OPEN	OPEN	NEHL1CM-106X	NEHL1CM-106X	NEHL1CM-106X
C531	1000p	OPEN	OPEN	OPEN	1000p	1000p	1000p
C532	1000p	OPEN	OPEN	OPEN	1000p	1000p	1000p
C551	1000p	OPEN	OPEN	OPEN	1000p	1000p	1000p
C552	1000p	OPEN	OPEN	OPEN	1000p	1000p	1000p
C553	47/16	OPEN	OPEN	OPEN	47/16	47/16	47/16
C554	0.1	OPEN	OPEN	OPEN	0.1	0.1	0.1
C555	NEHL1AM-107X	OPEN	NEHL1AM-107X	OPEN	NEHL1AM-107X	NEHL1AM-107X	NEHL1AM-107X
C556	0.1	OPEN	0.1	OPEN	0.1	0.1	0.1
C557	0.1	OPEN	0.1	OPEN	0.1	0.1	0.1
C558	NCB30JK-225X	OPEN	NCB30JK-225X	OPEN	NCB30JK-225X	NCB30JK-225X	NCB30JK-225X
C559	NEHL0JM-226X	OPEN	NEHL0JM-226X	OPEN	NEHL0JM-226X	NEHL0JM-226X	NEHL0JM-226X
C560	NCB30JK-225X	OPEN	NCB30JK-225X	OPEN	NCB30JK-225X	NCB30JK-225X	NCB30JK-225X
C561	NEHL0JM-226X	OPEN	NEHL0JM-226X	OPEN	NEHL0JM-226X	NEHL0JM-226X	NEHL0JM-226X
C562	NEHL0JM-226X	OPEN	OPEN	OPEN	NEHL0JM-226X	NEHL0JM-226X	NEHL0JM-226X
C563	0.01	OPEN	OPEN	OPEN	0.01	0.01	0.01
C564	0.01	OPEN	OPEN	OPEN	0.01	0.01	0.01
C565	0.1	OPEN	OPEN	OPEN	0.1	0.1	0.1
C566	0.1	OPEN	OPEN	OPEN	0.1	0.1	0.1
C567	0.01	OPEN	OPEN	OPEN	0.01	0.01	0.01
C568	0.01	OPEN	OPEN	OPEN	0.01	0.01	0.01
C569	0.01	OPEN	OPEN	OPEN	0.01	0.01	0.01
C570	NRSA63J-222X	OPEN	OPEN	OPEN	NRSA63J-222X	NRSA63J-222X	NRSA63J-222X
C571	NEHL0JM-226X	OPEN	OPEN	OPEN	NEHL0JM-226X	NEHL0JM-226X	NEHL0JM-226X
C572	NCB31CK-105X	OPEN	OPEN	OPEN	NCB31CK-105X	NCB31CK-105X	NCB31CK-105X
C573	NEHL0JM-226X	OPEN	OPEN	OPEN	NEHL0JM-226X	NEHL0JM-226X	NEHL0JM-226X
C574	0.01	OPEN	OPEN	OPEN	0.01	0.01	0.01
C575	0.01	OPEN	OPEN	OPEN	0.01	0.01	0.01
C576	NEHL1AM-107X	OPEN	NEHL1AM-107X	OPEN	NEHL1AM-107X	NEHL1AM-107X	NEHL1AM-107X
C577	NEHL1AM-107X	OPEN	NEHL1AM-107X	OPEN	NEHL1AM-107X	NEHL1AM-107X	NEHL1AM-107X
C578	NEHL1AM-107X	OPEN	NEHL1AM-107X	OPEN	NEHL1AM-107X	NEHL1AM-107X	NEHL1AM-107X
C579	NEHL1AM-107X	OPEN	NEHL1AM-107X	OPEN	NEHL1AM-107X	NEHL1AM-107X	NEHL1AM-107X
C592	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
C593	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN

ANALOG PWB CIRCUIT DIAGRAM (5/6) SHEET 5


ANALOG PWB AS
SFL-1311A-M2
VCC12V
R613
R614
C610
C609
CB2
R609
IC603
GND
VCC
Q604
C608
CB1
R610
R619
C611
R616
R611
R612
R615
R617
C612
100/16
R618
C613
IC601
NJW1182 → VE
[NJW1181 → BBE]
C642
10/16
R643
OPEN
C644
4.7/25
C686
JPN: MOUNT
R646
R655
C637
C638
C639
R638
C640
C641
R642
C643
OPEN
R654
C646
C647
C648
C649
C650
C651
C635
C636
R644
C670
R641
C622
C623
0.18/16
C624
0.0022
C625
0.018
C626
OPEN
R632
OPEN
TONE_LB
TONE_HB
SUR_FIL2
INB
INA
SUR_FIL1
TONE_HA
TONE_LA
C627
OPEN
R633
OPEN
C628
0.012
C629
0.0022
C621
C630
0.18/16
C631
C632
R634
R635
R636
C633
C634
R647
C653
R649
68k
R650
33k
C654
.047/16
C655
C657
C659
4.7/25
C660
C661
C662
C663
C668
C667
C666
10/10
NCB11AK-106X
R653
C669
R652
100
R651
100
C665
C664
CO2
CO1
VREF
AUX
V+
GND
SCL
SDA
CA1
CVB
CVA
C614
4.7/16
NENA1CM-475X
C615
4.7/16
NENA1CM-475X
R631
Q603
D661
R672
R673
C683
IC662
NC
VDD
OUT
VSS
R755
R756
SHEET 4
VOL_R
VOL_L
SHEET 1,3,6
SDA3A5
SCL3A5
SHEET 1,4
SCL3A
SDA3A
R709
R710
TALK
LB_POW
A_MUTE
R711
R712
CARD_DA
CARD_CK
SHEET 1
BBOUT
SUB_MUTE
SHEET 4
CO_RST
BS_A5V
R687
10K
Q609
R689
R690
R691
OPEN
R688
C710
R692
OPEN
D602
OPEN
D603
OPEN
AMP_MUTE
D608
MA111-X
R757
4.7k
R758
100k
AU_+VCC
VCC12V
STB_5V
P_OFF MUTE
R722
OPEN
R723
22k
R724
OPEN
D615
MA111-X
C716
47/16
NEHL1CM-476X
R718
100k
Q614
MUTING
R719
56k
R720
15k
R693
R694
R695
R696
R697
R698
R699
R700
R701
R702
R707
OPEN
IC606
M62320FP-X
CS0
CS1
CS2
VCC
SUB_MUTE
AMP_MUTE
CODECRST
TEMP
NC
SCL
SDA
HP_DET
HP_MUTE
A_SW1
A_SW2
GND
R706
OPEN
C717
1/10
R703
R704
R705
OPEN
R708
OPEN
D751
MA111-X
D606
MA111-X
D605
MA111-X
D607
MA111-X
VCC5
D622
MA111-X
Q621
R621
56k
C616
47/16
D621
MA111-X
R622
15k
R751
1k
R752
100
D752
MA111-X

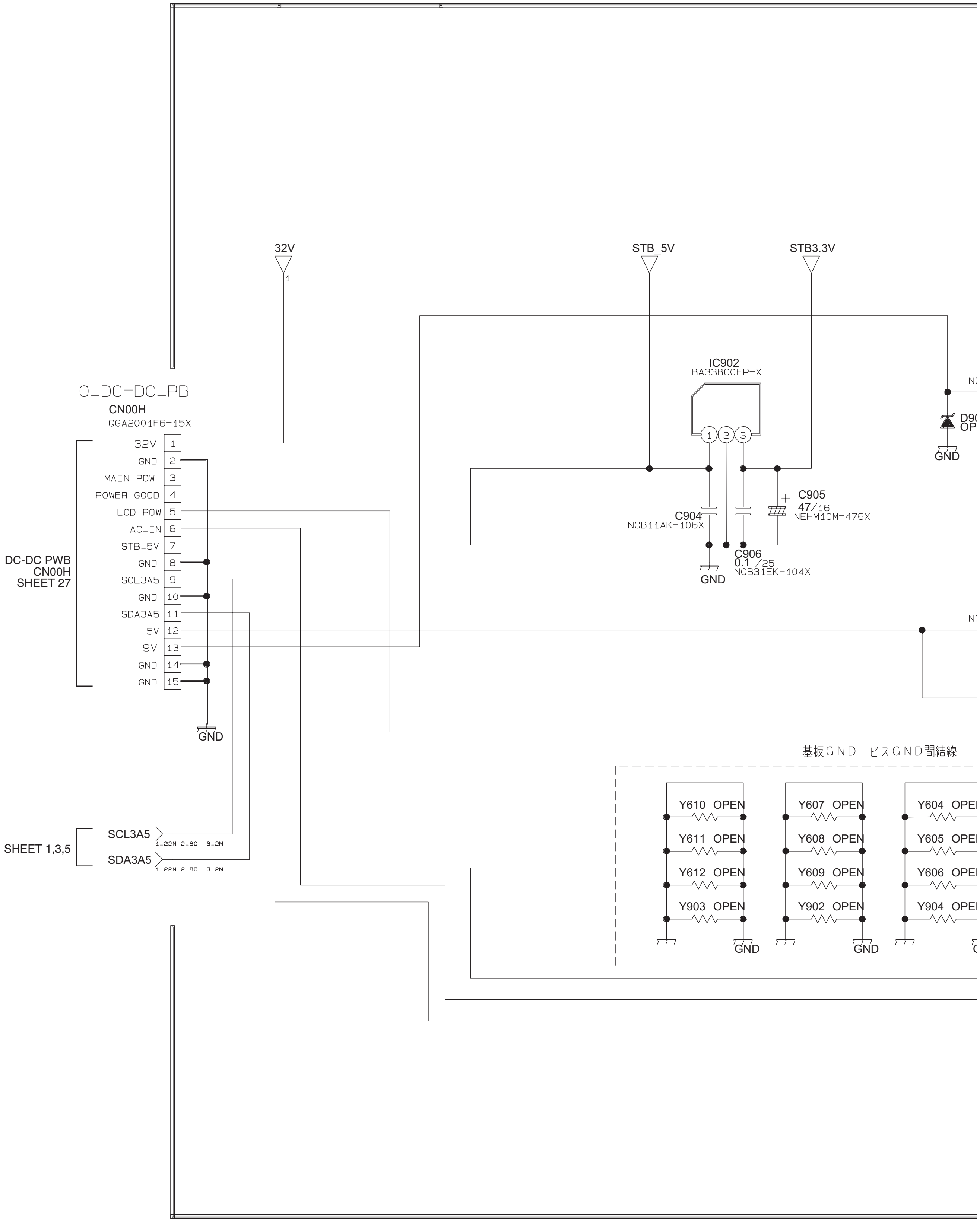
ASS'Y(5/6)


VCC3.3
K661
IC661
REF0V
INL
INR
AVSS
AVDD
RESET
SCL
SDA
CAP
MXBSOUT
OUTL
OUTR
DVSS
DVDD
OSCO
OSCI
X661
R672
R661
R662
R663
R664
C671
C672
C673
C674
C675
C676
C677
C678
C679
C680
C681
C682
R667
R668
R669
R670
R671
K662
K663
C684
C685
R665
R666
C687
C688
GND
AU_+VCC
VCC12V
CN00S
QGA1501F4-10X
10 TEMP
9 AMP_MU
8 GND
7 AMP_R
6 GND
5 AMP_L
4 MB_MUTE
3 VCC12V
2 LB_POW
1 AU_+VCC
R674
R675
D-AMP PWB
CN00S
SHEET 26
VCC5
C753 220/4 NEHL0GM-227X
R765 22
HP_R
C752 1/50
R755 0
R762 OPEN
C751 0.0022
IC751 BH3547F-X
C761 100/10 NEHL1AM-107X
C754 47/16 NEHL1CM-476X
R764 1k
C759 0.1
VCC
BIAS
6dB
MUTE
GND
ANALOG PWB(1/6)
SHEET 1
R767 OPEN
C758 0.0022
R760 47k
C757 1/50
R756 0
C755 220/4 NEHL0GM-227X
R768 1k
C760 0.1
R769 22
HP_L
R761 0
HP_DET
Q751 *2
R759 0
Q752 UN2226-X
C756 1/50
R758 100k
VCC5
R623 100k
Q621 *2
C617 10/16
R624 1k
R625 56k
Q622 *1
R626 56k

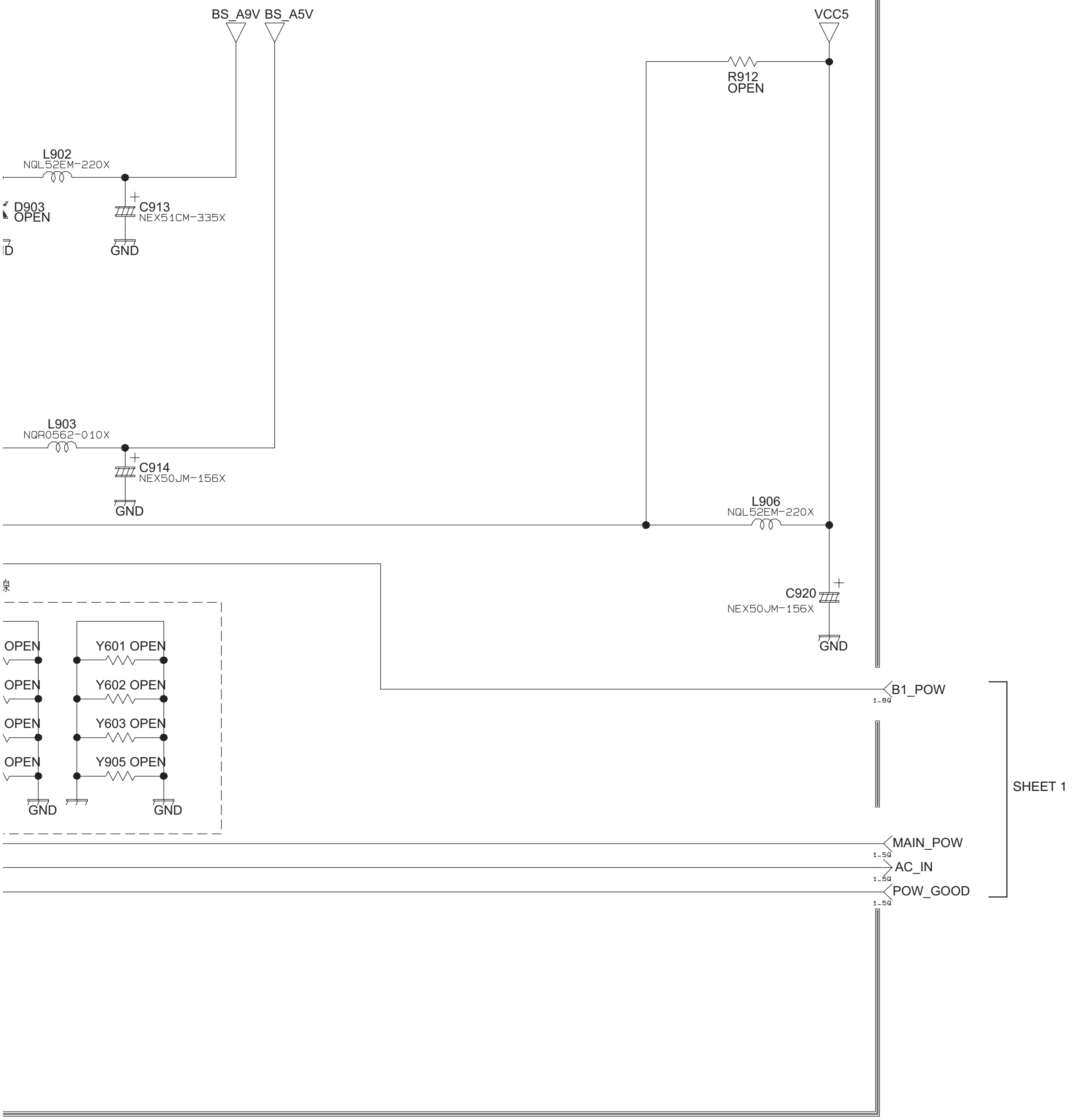
* DIFFERENCE LIST

MODEL	JPN	US						
		32X7/8*	37/40X7/8*	32XM57	37X987	40/46FH97	40/46FN97	
	SFL-1321A	SFL-1311A	SFL-1312A	SFL-1315A	SFL-1316A	SFL-1313A	SFL-1314A	
	LCA10712-01*	LCA10710-01*	LCA10710-02*	LCA10710-03*	LCA10710-04*	LCA10715-01*	LCA10715-02*	
	OLLC10586	OLLC10541	OLLC10541-02	OLLC10541-03	OLLC10541-04	OLLC10761	OLLC10761-02	
IC601	NJW1182FP1	NJW1182FP1	NJW1182FP1	NJW1182FP1	NJW1182FP1	NJW1182FP1	NJW1182FP1	
C622	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	NJW118X
C631	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	
C632	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
C633	0.0082	0.0082	0.0082	0.0082	0.0082	0.0082	0.0082	
C634	0.0082	0.0082	0.0082	0.0082	0.0082	0.0082	0.0082	
C635	680p	680p	680p	680p	680p	680p	680p	
C636	680p	680p	680p	680p	680p	680p	680p	
C637	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	
R634	15k	15k	15k	15k	15k	15k	15k	
R635	56k	56k	56k	56k	56k	56k	56k	
R636	47k	47k	47k	47k	47k	47k	47k	
C686	0.01	0	0	0	0	0	0	音声案内
R646	1k	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	
R655	0	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	
R639	820	820	820	820	1k	1k	1k	B. B. 音質設計
R640	820	820	820	820	1k	1k	1k	
R641	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	
R642	5.6k	5.6k	5.6k	5.6k	6.8k	6.8k	6.8k	
R644	3.9k	3.9k	3.9k	3.9k	3.9k	3.9k	3.9k	
R654	1.8k	1.8k	1.8k	1.8k	1.8k	1.8k	1.8k	
C640	1/16	1/16	1/16	1/16	1/16	1/16	1/16	
C641	1/16	1/16	1/16	1/16	1/16	1/16	1/16	
C670	1/16	1/16	1/16	1/16	1/16	1/16	1/16	
IC603	RC4558D-X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	8Hz
Q603	*1	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	
Q604	*1	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	
R609	10k	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	
R610	22k	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	
R611	1k	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	
R612	10k	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	
R613	220k	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	
R614	220k	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	
R615	180k	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	
R616	18k	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	
R617	22k	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	
R618	22k	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	
R619	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	
R631	15k	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	
C608	NCB11AK-106X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	
C609	0.12/25	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	
C610	0.22/16	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	
C611	0.12/25	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	
C613	NCB11AK-106X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	
C621	0.0039	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	
R701	100	OPEN	OPEN	OPEN	100	100	100	DSP
Q609	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	温度検出
R688	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	
R689	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	
R690	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	
C710	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	
IC661	MX3000CS-X	OPEN	MX3000CS-X	OPEN	MX3000CS-X	MX3000CS-X	MX3000CS-X	MaxxBass
IC662	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	
X661	NAX0857-001X	OPEN	NAX0857-001X	OPEN	NAX0857-001X	NAX0857-001X	NAX0857-001X	
K661	NQR0499-002X	OPEN	NQR0499-002X	OPEN	NQR0499-002X	NQR0499-002X	NQR0499-002X	
D661	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	
R661	3.3k	OPEN	6.8k	OPEN	3.3k	3.3k	3.3k	
R662	3.3k	OPEN	6.8k	OPEN	3.3k	3.3k	3.3k	
R663	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	
R664	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	
R665	100	OPEN	100	OPEN	100	100	100	
R666	100	OPEN	100	OPEN	100	100	100	
R667	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	
R668	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	
R669	1M	OPEN	1M	OPEN	1M	1M	1M	
R670	10k	OPEN	10k	OPEN	10k	10k	10k	
R671	0	OPEN	0	OPEN	0	0	0	
R672	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	
R673	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	
R674	OPEN	0	OPEN	0	OPEN	OPEN	OPEN	
R675	OPEN	0	OPEN	0	OPEN	OPEN	OPEN	
C671	2.2/10	OPEN	2.2/10	OPEN	2.2/10	2.2/10	2.2/10	
C672	2.2/10	OPEN	2.2/10	OPEN	2.2/10	2.2/10	2.2/10	
C673	33p	OPEN	33p	OPEN	33p	33p	33p	
C674	33p	OPEN	33p	OPEN	33p	33p	33p	
C675	10/16	OPEN	10/16	OPEN	10/16	10/16	10/16	
C676	0.1	OPEN	0.1	OPEN	0.1	0.1	0.1	
C677	1/16	OPEN	1/16	OPEN	1/16	1/16	1/16	
C678	0.015	OPEN	0.015	OPEN	0.015	0.015	0.015	
C679	33p	OPEN	33p	OPEN	33p	33p	33p	
C680	33p	OPEN	33p	OPEN	33p	33p	33p	
C681	10/16	OPEN	10/16	OPEN	10/16	10/16	10/16	
C682	0.1	OPEN	0.1	OPEN	0.1	0.1	0.1	
C683	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	
C684	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	
C685	0.1	OPEN	0.1	OPEN	0.1	0.1	0.1	
R709	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	
R710	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	
R711	0	OPEN	0	OPEN	0	0	0	
R712	0	OPEN	0	OPEN	0	0	0	
R653	5.6k	OPEN	5.6k	OPEN	5.6k	5.6k	5.6k	
K662	O	OPEN	0	OPEN	O	O	O	
K663	O	OPEN	0	OPEN	O	O	O	
C687	68p	OPEN	68p	OPEN	68p	68p	68p	
C688	68p	OPEN	68p	OPEN	68p	68p	68p	

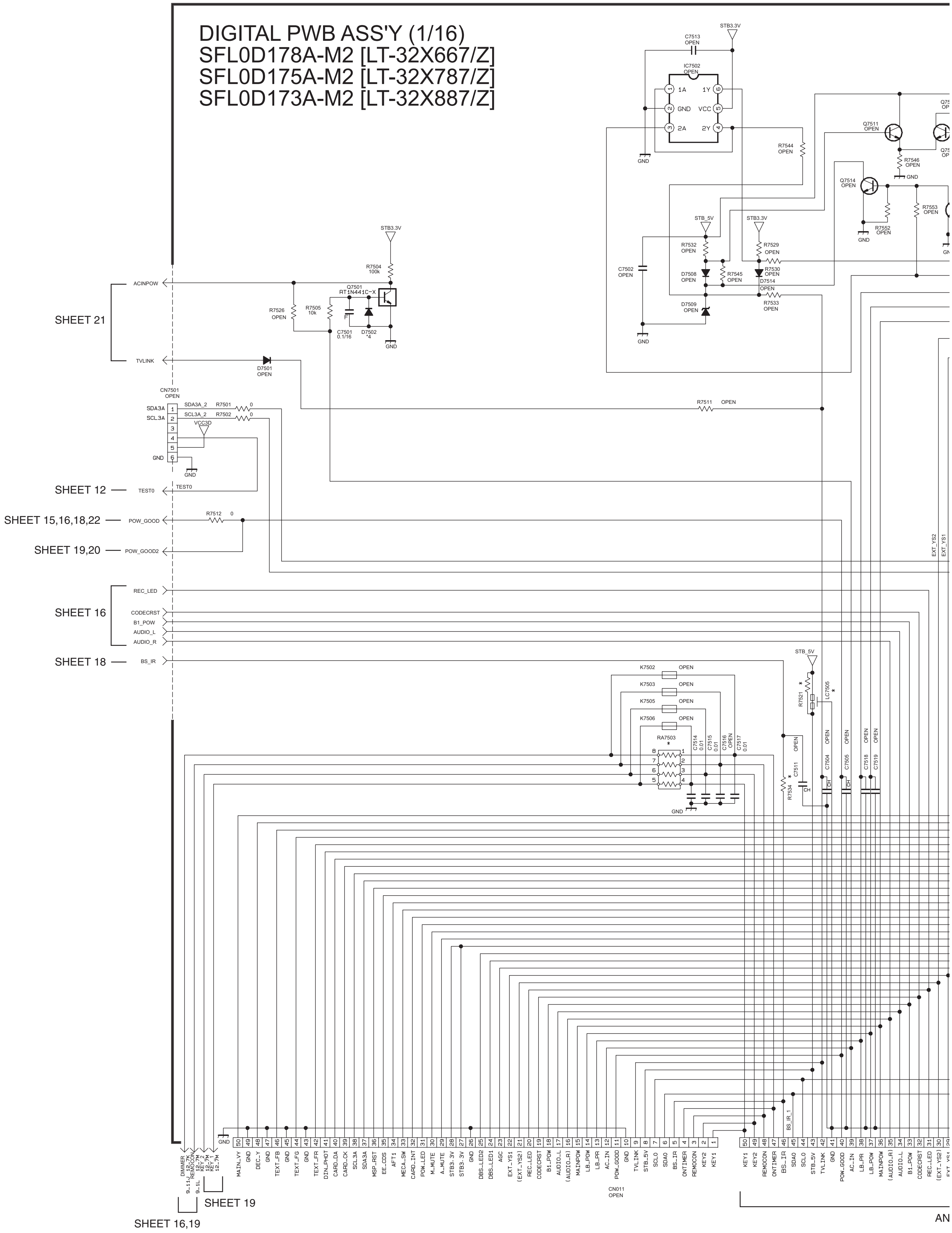
ANALOG PWB CIRCUIT DIAGRAM (6/6) SHEET 6

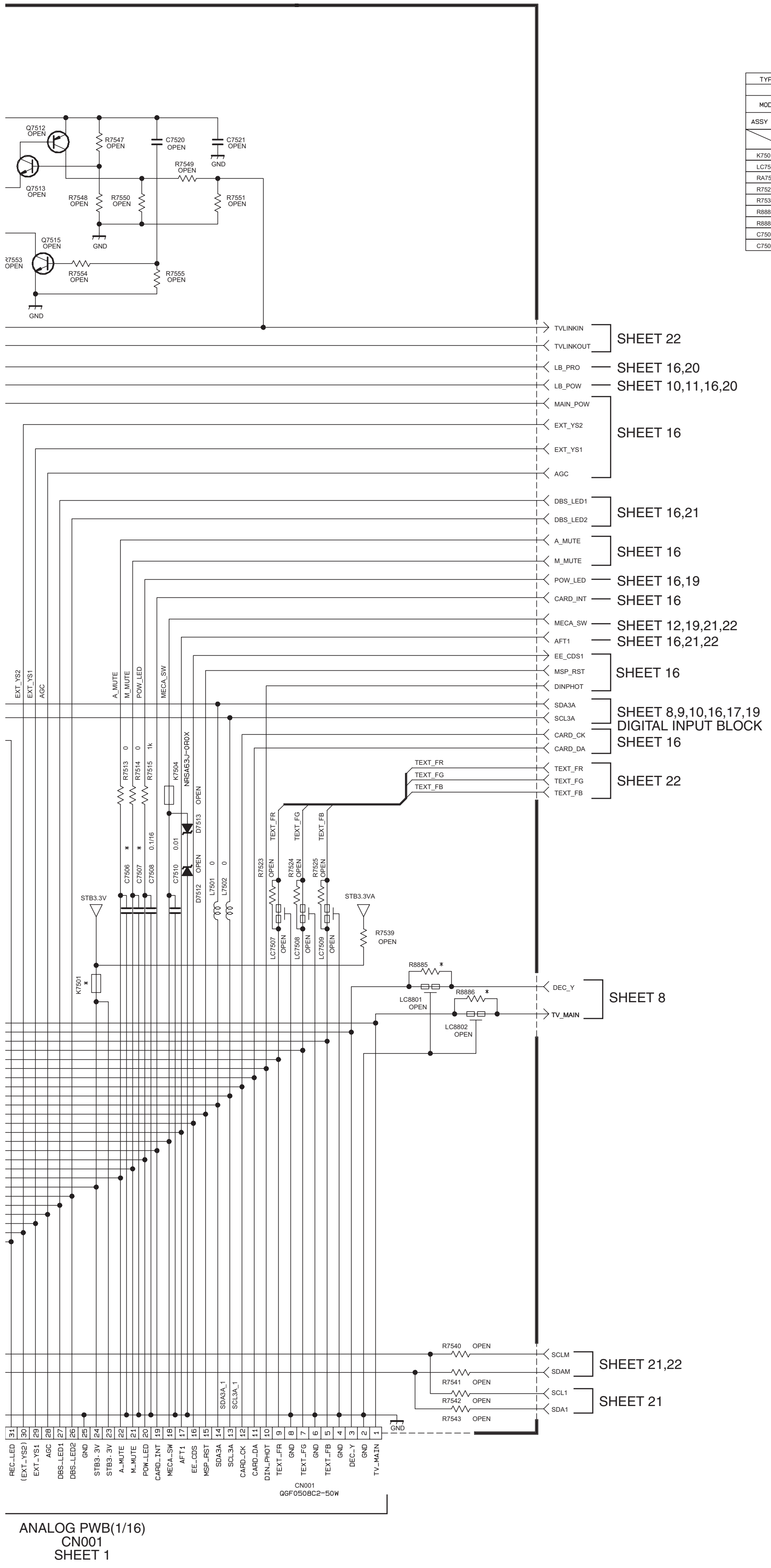

32V
1
STB_5V
STB3.3V
IC902
BA33BC0FP-X
1
2
3
O_DC-DC_PB
CN00H
QGA2001F6-15X
32V 1
GND 2
MAIN POW 3
POWER GOOD 4
LCD_POW 5
AC_IN 6
STB_5V 7
GND 8
SCL3A5 9
GND 10
SDA3A5 11
5V 12
9V 13
GND 14
GND 15
DC-DC PWB
CN00H
SHEET 27
GND
C905
47/16
NEHM1CM-476X
C904
NCB11AK-106X
C906
0.1 /25
NCB31EK-104X
GND
D90
OP
GND
SHEET 1,3,5
SCL3A5
1_22N 2_80 3_2M
SDA3A5
1_22N 2_80 3_2M
基板ＧＮＤ－ビスＧＮＤ間結線
Y610 OPEN
Y611 OPEN
Y612 OPEN
Y903 OPEN
Y607 OPEN
Y608 OPEN
Y609 OPEN
Y902 OPEN
Y604 OPE
Y605 OPE
Y606 OPE
Y904 OPE
GND
GND

ANALOG PWB ASS'Y(6/6)
SFL-1311A-M2


BS_A9V
BS_A5V
VCC5
R912
OPEN
L902
NQL52EM-220X
D903
OPEN
C913
NEX51CM-335X
GND
L903
NQR0562-010X
C914
NEX50JM-156X
GND
L906
NQL52EM-220X
C920
NEX50JM-156X
GND
OPEN
Y601 OPEN
OPEN
Y602 OPEN
OPEN
Y603 OPEN
OPEN
Y905 OPEN
GND
GND
B1_POW
MAIN_POW
AC_IN
POW_GOOD
SHEET 1

DIGITAL PWB CIRCUIT DIAGRAM (1/16) SHEET 7


DIGITAL PWB ASS'Y (1/16)
SFL0D178A-M2 [LT-32X667/Z]
SFL0D175A-M2 [LT-32X787/Z]
SFL0D173A-M2 [LT-32X887/Z]
SHEET 21
ACINPOW
TVLINK
SHEET 12
TEST0
SHEET 15,16,18,22
POW_GOOD
SHEET 19,20
POW_GOOD2
SHEET 16
REC_LED
CODECRST
B1_POW
AUDIO_L
AUDIO_R
SHEET 18
BS_IR
CN7501
OPEN
SDA3A
SCL3A
GND
SDA3A_2
SCL3A_2
VCC3D
R7501 0
R7502 0
R7512 0
STB3.3V
R7504 100k
Q7501
RT1N441C-X
R7526 OPEN
R7505 10k
C7501 0.1/16
D7502 *4
D7501 OPEN
R7511 OPEN
C7513 OPEN
IC7502 OPEN
1A
GND
2A
1Y
VCC
2Y
R7544 OPEN
Q7511 OPEN
R7546 OPEN
Q7514 OPEN
R7552 OPEN
R7553 OPEN
STB_5V
R7532 OPEN
D7508 OPEN
R7545 OPEN
D7509 OPEN
R7529 OPEN
R7530 OPEN
D7514 OPEN
R7533 OPEN
C7502 OPEN
EXT_YS2
EXT_YS1
K7502 OPEN
K7503 OPEN
K7505 OPEN
K7506 OPEN
RA7503 *
C7514 0.01
C7515 0.01
C7516 OPEN
C7517 0.01
R7521 *
LC7505 *
R7534 *
C7511 OPEN
C7504 OPEN
C7505 OPEN
C7518 OPEN
C7519 OPEN
CH
BS_IR_1
MAIN_VY
GND
DEC_Y
TEXT_FB
TEXT_FG
TEXT_FR
DIN_PHOT
CARD_DA
CARD_CK
SDA3A
SCL3A
MSP_RST
EE_CDS
AFT1
MECA_SW
CARD_INT
POW_LED
M_MUTE
A_MUTE
STB3.3V
DBS_LED2
DBS_LED1
AGC
EXT_YS1
(EXT_YS2)
REC_LED
CODECRST
B1_POW
AUDIO_L
(AUDIO_R)
MAINPOW
LB_POW
LB_PR
AC_IN
POW_GOOD
TVLINK
STB_5V
SCL0
SDA0
BS_IR
ONTIMER
REMOCON
KEY2
KEY1
CN011
OPEN
DIMMER
9_11J 12_7K
REMOCON
12_7M
KEY_2
9_1L
12_7M
KEY_1
12_7M
SHEET 19
SHEET 16,19
AN


Q7512 OPEN
Q7513 OPEN
R7547 OPEN
C7520 OPEN
C7521 OPEN
GND
R7549 OPEN
R7548 OPEN
R7550 OPEN
R7551 OPEN
Q7515 OPEN
R7553 OPEN
R7554 OPEN
R7555 OPEN
TVLINKIN
TVLINKOUT
SHEET 22
LB_PRO
SHEET 16,20
LB_POW
SHEET 10,11,16,20
MAIN_POW
EXT_YS2
EXT_YS1
AGC
SHEET 16
DBS_LED1
DBS_LED2
SHEET 16,21
A_MUTE
M_MUTE
SHEET 16
POW_LED
SHEET 16,19
CARD_INT
SHEET 16
MECA_SW
SHEET 12,19,21,22
AFT1
SHEET 16,21,22
EE_CDS1
MSP_RST
DINPHOT
SHEET 16
SDA3A
SCL3A
SHEET 8,9,10,16,17,19
DIGITAL INPUT BLOCK
CARD_CK
CARD_DA
SHEET 16
TEXT_FR
TEXT_FG
TEXT_FB
SHEET 22
R7513 0
R7514 0
R7515 1k
K7504
NRSA63J-0R0X
D7513 OPEN
C7506 *
C7507 *
C7508 0.1/16
C7510 0.01
D7512 OPEN
L7501 0
L7502 0
R7523 OPEN
R7524 OPEN
R7525 OPEN
LC7507 OPEN
LC7508 OPEN
LC7509 OPEN
STB3.3V
STB3.3VA
R7539 OPEN
K7501 *
R8885 *
LC8801 OPEN
R8886 *
LC8802 OPEN
DEC_Y
TV_MAIN
SHEET 8
R7540 OPEN
SCLM
SDAM
SHEET 21,22
R7541 OPEN
R7542 OPEN
SCL1
SDA1
SHEET 21
R7543 OPEN
SDA3A_1
SCL3A_1
GND
31 REC_LED
30 (EXT_YS2)
29 EXT_YS1
28 AGC
27 DBS_LED1
26 DBS_LED2
25 GND
24 STB3.3V
23 STB3.3V
22 A_MUTE
21 M_MUTE
20 POW_LED
19 CARD_INT
18 MECA_SW
17 AFT1
16 EE_CDS
15 MSP_RST
14 SDA3A
13 SCL3A
12 CARD_CK
11 CARD_DA
10 DIN_PHOT
9 TEXT_FR
8 GND
7 TEXT_FG
6 GND
5 TEXT_FB
4 GND
3 DEC_Y
2 GND
1 TV_MAIN
CN001
QGF0508C2-50W
ANALOG PWB(1/16)
CN001
SHEET 1

* DIFFERENCE LIST

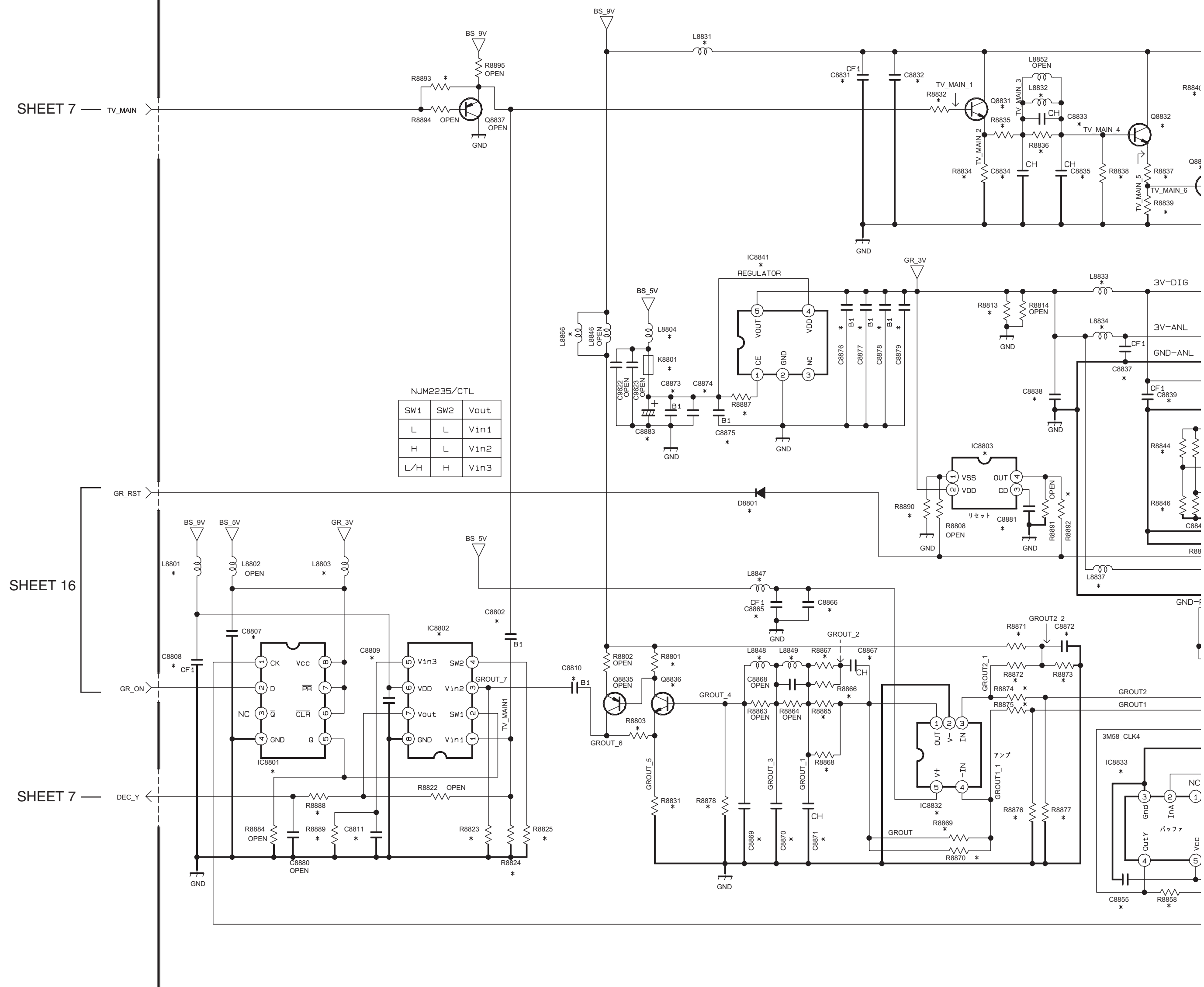
TYPE	LCD								
	JPN			US					
MODEL	LT-46LH800	LT-37LC85	LT-26LC80	LT-40X887 /X787	LT-37X887 /X787/X667	LT-32X887 X667/X787	LT-32XM57	LT-46FH97 /40FH97	LT-46FN97 /40FN97
ASSY NO.	SFL-0D071A	SFL-0D072A	SFL-0D074A	SFL-0D171A etc	SFL-0D172A etc	SFL-0D173A 175A,178Aetc	SFL-0D180A	SFL-0D182A etc	SFL-0D184A etc
	0LLC10547	0LLC10547 -02	0LLC10547 -04	0LLC10547 -05 etc	0LLC10547 -06 etc	0LLC10547 -07 etc	0LLC10547 -14	0LLC10547 -16 etc	0LLC10547 -18 etc
K7501	NRSA02J-0R0X	NRSA02J-0R0X	NRSA02J-0R0X	NQR0413-002X	NQR0413-002X	NQR0413-002X	NQR0413-002X	NQR0413-002X	NQR0413-002X
LC7505	OPEN	OPEN	OPEN	NQR0483-005X	NQR0483-005X	NQR0483-005X	NQR0483-005X	NQR0483-005X	NQR0483-005X
RA7503	NRZ0040-0R0X	NRZ0040-0R0X	NRZ0040-0R0X	NQR0271-004X	NQR0271-004X	NQR0271-004X	NQR0271-004X	NQR0271-004X	NQR0271-004X
R7521	0	0	0	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R7534	0	0	0	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R8885	0	0	0	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R8886	0	0	0	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
C7506	OPEN	OPEN	OPEN	0.01	0.01	0.01	0.01	0.01	0.01
C7507	OPEN	OPEN	OPEN	0.01	0.01	0.01	0.01	0.01	0.01

NOTE.

*1:NQR0498-001X
*2:NQR0489-002X
*4:MA111-X
*5:1SS355-X
RA0:NRZ0034-0R0W
PNP:2SA1530A/QR/-X
NPN:2SC3928A/QR/-X
L10:NQL79GM-100X
L22:NQL79GM-220X

c10463001a011_0425_11/17_0.0

DIGITAL PWB CIRCUIT DIAGRAM (2/16) SHEET 8


SHEET 7
TV_MAIN
SHEET 16
GR_RST
GR_ON
SHEET 7
DEC_Y
BS_9V
BS_5V
GR_3V
R8895 OPEN
R8893
R8894 OPEN
Q8837 OPEN
GND
L8831
CF1 C8831
C8832
TV_MAIN_1
R8832
Q8831
L8852 OPEN
L8832
TV_MAIN_3
CH
C8833
TV_MAIN_4
Q8832
R8835
R8836
TV_MAIN_2
R8834
C8834
C8835
R8838
R8837
TV_MAIN_5
TV_MAIN_6
R8839
IC8841 REGULATOR
VOUT
VDD
CE
GND
NC
C8876
C8877
C8878
C8879
B1
L8833
3V-DIG
R8813
R8814 OPEN
L8834
3V-ANL
GND-ANL
C8837
C8838
C8839
L8866
L8846 OPEN
L8804
K8801
C9622 OPEN
C9623 OPEN
C8873
C8874
R8887
C8883
C8875
IC8803
VSS
VDD
OUT
CD
リセット
R8890
R8808 OPEN
C8881
R8891
R8892
R8844
R8846
D8801
L8801
L8802 OPEN
L8803
L8847
CF1 C8865
C8866
L8837
GND-ANL
C8802
C8807
C8808
CF1
IC8801
CK
D
NC
GND
Vcc
PR
CLR
Q
C8809
IC8802
Vin3
VDD
Vout
SW2
Vin2
SW1
Vin1
GROUT_7
TV_MAIN1
C8810
R8802 OPEN
Q8835 OPEN
R8801
Q8836
R8803
GROUT_6
GROUT_4
GROUT_5
R8831
R8878
L8848
L8849
R8867
C8867
GROUT_2
C8868 OPEN
R8866
R8863 OPEN
R8864 OPEN
R8865
R8868
GROUT_3
GROUT_1
C8869
C8870
C8871
R8871
GROUT2_2
C8872
R8872
R8873
R8874
R8875
GROUT2_1
GROUT2
GROUT1
IC8832
V-
IN
V+
-IN
アンプ
GROUT1_1
R8876
R8877
R8869
R8870
GROUT
3M58_CLK4
IC8833
Gnd
InA
NC
OutY
Vcc
バッファ
C8855
R8858
R8884 OPEN
R8888
R8889
C8811
R8822 OPEN
R8823
R8824
R8825
C8880 OPEN

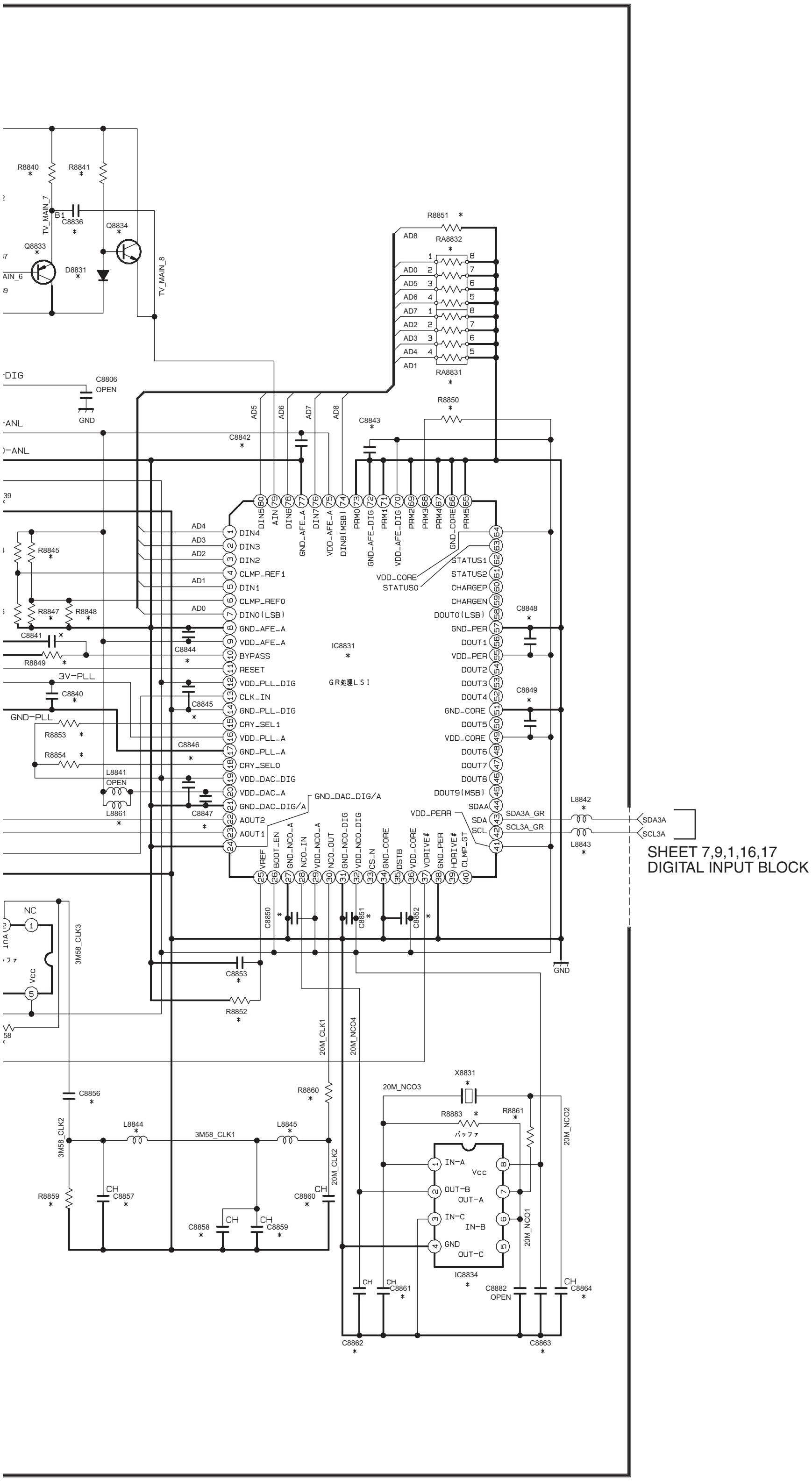
NJM2235/CTL

SW1	SW2	Vout
L	L	Vin1
H	L	Vin2
L/H	H	Vin3

NOTE.

*1:NQR0498-001X
*2:NQR0489-002X
*4:MA111-X
*5:NQR0499-001X
RA0:NRZ0034-0R0W
PNP:2SA1530A/QR/-X
NPN:2SC3928A/QR/-X
L10:NQL79GM-100X
L22:NQL79GM-220X

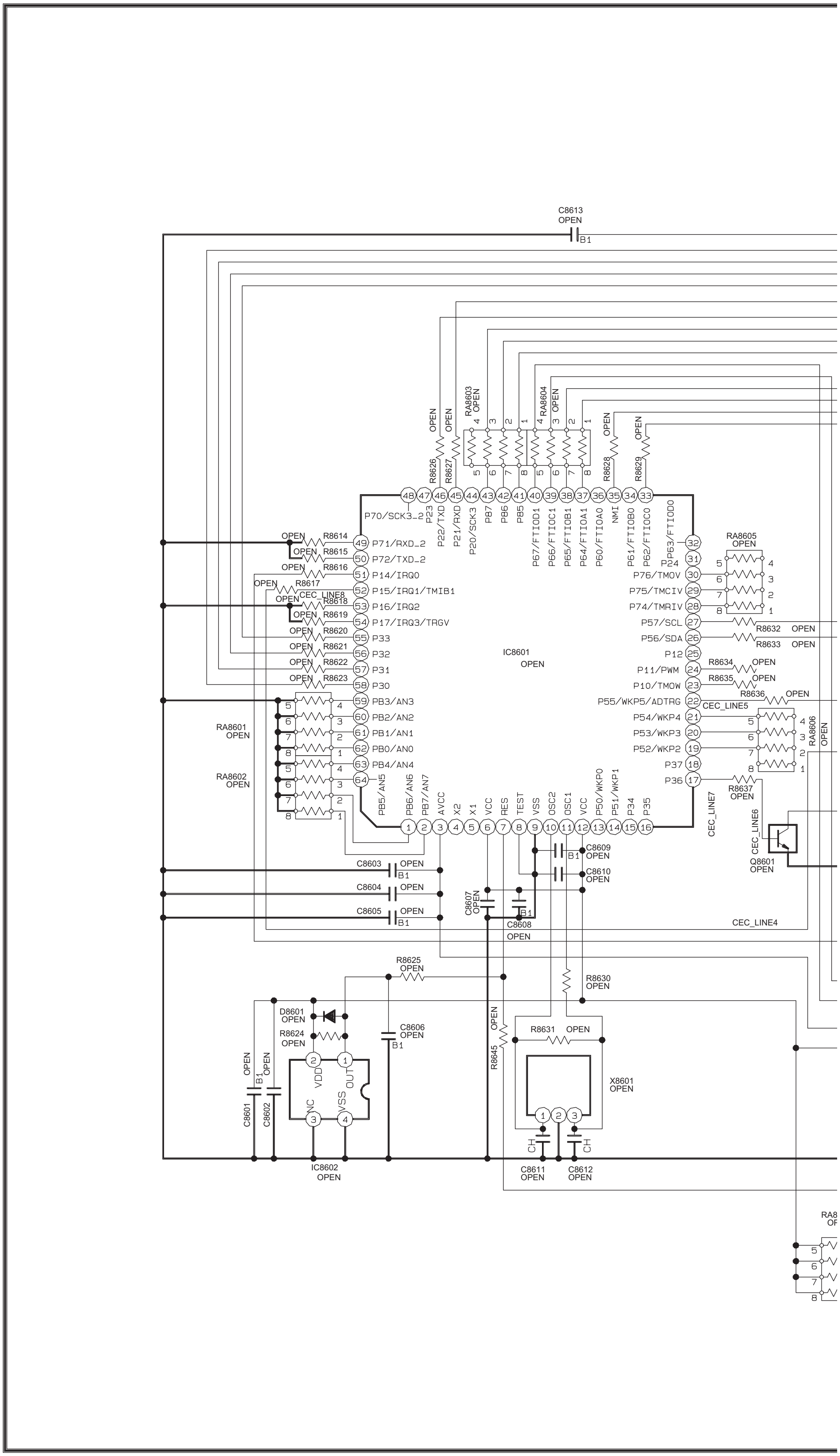
DIGITAL PWB ASS'Y (2/16)
SFL0D178A-M2 [LT-32X667/Z]
SFL0D175A-M2 [LT-32X787/Z]
SFL0D173A-M2 [LT-32X887/Z]


IC8831
GR処理LSI
R8840
R8841
C8836
Q8833
Q8834
D8831
TV_MAIN_7
TV_MAIN_8
R8851
RA8832
RA8831
AD0
AD1
AD2
AD3
AD4
AD5
AD6
AD7
AD8
R8850
C8806
OPEN
GND
C8842
C8843
R8845
R8847
R8848
C8841
R8849
3V-PLL
C8840
C8844
C8845
GND-PLL
R8853
R8854
C8846
L8841
OPEN
L8861
C8847
DIN4
DIN3
DIN2
CLMP_REF1
DIN1
CLMP_REF0
DIN0(LSB)
GND_AFE_A
VDD_AFE_A
BYPASS
RESET
VDD_PLL_DIG
CLK_IN
GND_PLL_DIG
CRY_SEL1
VDD_PLL_A
GND_PLL_A
CRY_SEL0
VDD_DAC_DIG
VDD_DAC_A
GND_DAC_DIG/A
AOUT2
AOUT1
DIN5
AIN
DIN6
GND_AFE_A
DIN7
VDD_AFE_A
DIN8(MSB)
PRM0
GND_AFE_DIG
PRM1
VDD_AFE_DIG
PRM2
PRM3
PRM4
GND_CORE
PRM5
STATUS1
STATUS2
CHARGEP
CHARGEN
DOUT0(LSB)
GND_PER
DOUT1
VDD_PER
DOUT2
DOUT3
DOUT4
GND_CORE
DOUT5
VDD_CORE
DOUT6
DOUT7
DOUT8
DOUT9(MSB)
SDAA
SDA
SCL
VDD_CORE
STATUS0
VDD_PERR
VREF
BOOT_EN
GND_NCO_A
NCO_IN
VDD_NCO_A
NCO_OUT
GND_NCO_DIG
VDD_NCO_DIG
CS_N
GND_CORE
DSTB
VDD_CORE
VDRIVE#
GND_PER
HDRIVE#
CLMP_GT
C8848
C8849
L8842
L8843
SDA3A_GR
SCL3A_GR
SDA3A
SCL3A
SHEET 7,9,1,16,17
DIGITAL INPUT BLOCK
C8850
C8851
C8852
C8853
R8852
GND
NC
3M58_CLK3
Vcc
C8856
3M58_CLK2
L8844
3M58_CLK1
L8845
R8859
C8857
CH
C8858
C8859
C8860
R8860
20M_CLK1
20M_NCO4
20M_CLK2
X8831
20M_NCO3
R8883
R8861
バッファ
IN-A
Vcc
OUT-B
OUT-A
IN-C
IN-B
GND
OUT-C
IC8834
20M_NCO1
20M_NCO2
C8861
C8882
OPEN
C8864
C8862
C8863

* DIFFERENCE LIST

TYPE	LCD								
	JPN			US					
MODEL	LT-46LH800	LT-37LC85	LT-26LC80	LT-40X887 /X787	LT-37X887 /X787/X667	LT-32X887 X667/X787	LT-32XM57	LT-46FH97 /40FH97	LT-46FN97 /40FN97
ASSY NO.	SFL-0D071A	SFL-0D072A	SFL-0D074A	SFL-0D171A etc	SFL-0D172A etc	SFL-0D173A 175A, 178A etc	SFL-0D180A	SFL-0D182A etc	SFL-0D184A etc
	0LLC10547	0LLC10547 -02	0LLC10547 -04	0LLC10547 -05 etc	0LLC10547 -06 etc	0LLC10547 -07 etc	0LLC10547 -14	0LLC10547 -16 etc	0LLC10547 -18 etc
X8831	NAX0118-001X	NAX0118-001X	NAX0118-001X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC8801	TC7W74F-X	TC7W74F-X	TC7W74F-X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC8802	NJM2235V-X	NJM2235V-X	NJM2235V-X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC8803	S-80928CLNB-G-W	S-80928CLNB-G-W	S-80928CLNB-G-W	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC8831	0R43304BMQC	0R43304BMQC	0R43304BMQC	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC8832	EL8101IWZ-X	EL8101IWZ-X	EL8101IWZ-X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC8833	TC7S04FU-X	TC7S04FU-X	TC7S04FU-X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC8834	TC7WHU04FU-X	TC7WHU04FU-X	TC7WHU04FU-X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC8841	R1170H331B-X	R1170H331B-X	R1170H331B-X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
Q8831	NPN	NPN	NPN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
Q8832	NPN	NPN	NPN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
Q8833	PNP	PNP	PNP	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
Q8834	NPN	NPN	NPN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
Q8836	NPN	NPN	NPN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
D8801	*4	*4	*4	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
D8831	*4	*4	*4	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
K8801	*2	*2	*2	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
L8801	NRSA02J-0R0X	NRSA02J-0R0X	NRSA02J-0R0X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
L8803	*5	*5	*5	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
L8804	NQL52EM-101X	NQL52EM-101X	NQL52EM-101X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
L8831	NQR0413-003X	NQR0413-003X	NQR0413-003X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
L8832	NQL092K-6R8X	NQL092K-6R8X	NQL092K-6R8X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
L8833	NRSA02J-0R0X	NRSA02J-0R0X	NRSA02J-0R0X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
L8834	NRSA02J-0R0X	NRSA02J-0R0X	NRSA02J-0R0X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
L8837	NQL914K-470X	NQL914K-470X	NQL914K-470X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
L8842	NQL092K-100X	NQL092K-100X	NQL092K-100X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
L8843	NQL092K-100X	NQL092K-100X	NQL092K-100X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
L8844	NQL092K-100X	NQL092K-100X	NQL092K-100X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
L8845	NQL092K-100X	NQL092K-100X	NQL092K-100X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
L8847	NQR0413-003X	NQR0413-003X	NQR0413-003X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
L8848	NQL092K-2R2X	NQL092K-2R2X	NQL092K-2R2X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
L8849	NQL092K-2R2X	NQL092K-2R2X	NQL092K-2R2X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
L8861	NQR0499-001X	NQR0499-001X	NQR0499-001X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
L8866	NQR0499-001X	NQR0499-001X	NQR0499-001X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
RA8831	NRZ0034-103W	NRZ0034-103W	NRZ0034-103W	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
RA8832	NRZ0034-103W	NRZ0034-103W	NRZ0034-103W	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R8801	0	0	0	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R8803	0	0	0	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R8813	560	560	560	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R8823	1M	1M	1M	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R8824	470k	470k	470k	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R8825	0	0	0	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R8831	2.2k	2.2k	2.2k	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R8832	100	100	100	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R8834	1.2k	1.2k	1.2k	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R8835	180	180	180	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R8836	680	680	680	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R8837	100	100	100	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R8838	1k	1k	1k	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R8839	1k	1k	1k	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R8840	5.6k	5.6k	5.6k	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R8841	4.7k	4.7k	4.7k	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R8844	3.9k	3.9k	3.9k	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R8845	3.9k	3.9k	3.9k	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R8846	1k	1k	1k	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R8847	1.2k	1.2k	1.2k	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R8848	4.7k	4.7k	4.7k	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R8849	47k	47k	47k	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R8850	10k	10k	10k	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R8851	10k	10k	10k	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R8852	10k	10k	10k	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R8853	10k	10k	10k	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R8854	10k	10k	10k	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R8858	1M	1M	1M	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R8859	1.8k	1.8k	1.8k	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R8860	100	100	100	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R8861	330	330	330	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R8865	47	47	47	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R8866	330	330	330	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R8867	47	47	47	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R8868	330	330	330	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R8869	3.3k	3.3k	3.3k	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R8870	47k	47k	47k	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R8871	1k	1k	1k	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R8872	8.2k	8.2k	8.2k	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R8873	390	390	390	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R8874	1.8k	1.8k	1.8k	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R8875	1.8k	1.8k	1.8k	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R8876	75	75	75	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R8877	75	75	75	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R8878	1k	1k	1k	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R8883	1M	1M	1M	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R8887	1k	1k	1k	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R8888	0	0	0	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R8889	1M	1M	1M	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R8890	0	0	0	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R8892	3.9k	3.9k	3.9k	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R8893	0	0	0	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
C8802	10/10	10/10	10/10	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
C8807	0.1/16	0.1/16	0.1/16	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
C8808	4.7/16	4.7/16	4.7/16	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
C8809	0.01/50	0.01/50	0.01/50	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
C8810	10/10	10/10	10/10	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
C8811	0.1/16	0.1/16	0.1/16	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
C8831	4.7/16	4.7/16	4.7/16	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
C8832	0.1/16	0.1/16	0.1/16	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
C8833	15p/50	15p/50	15p/50	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
C8834	220p/50	220p/50	220p/50	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
C8835	120p/50	120p/50	120p/50	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
C8836	4.7/16	4.7/16	4.7/16	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
C8837	4.7/16	4.7/16	4.7/16	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
C8838	0.1/16	0.1/16	0.1/16	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
C8839	4.7/16	4.7/16	4.7/16	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
C8840	0.1/16	0.1/16	0.1/16	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
C8841	0.1/16	0.1/16	0.1/16	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
C8842	0.1/16	0.1/16	0.1/16	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
C8843	0.1/16	0.1/16	0.1/16	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
C8844	0.1/16	0.1/16	0.1/16	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
C8845	0.1/16	0.1/16	0.1/16	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
C8846	0.1/16	0.1/16	0.1/16	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
C8847	0.1/16	0.1/16	0.1/16	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
C8848	0.1/16	0.1/16	0.1/16	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
C8849	0.1/16	0.1/16	0.1/16	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
C8850	0.1/16	0.1/16	0.1/16	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
C8851	0.1/16	0.1/16	0.1/16	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
C8852	0.1/16	0.1/16	0.1/16	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
C8853	1000p/50	1000p/50	1000p/50	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
C8855	0.1/16	0.1/16	0.1/16	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
C8856	1000p/50	1000p/50	1000p/50	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
C8857	270p/50	270p/50	270p/50	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
C8858	560p/50	560p/50	560p/50	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
C8859	270p/50	270p/50	270p/50	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
C8860	390p/50	390p/50	390p/50	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
C8861	33p/50	33p/50	33p/50	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
C8862	10p/50	10p/50	10p/50	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
C8863	0.1/16	0.1/16	0.1/16	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
C8864	33p/50	33p/50	33p/50	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
C8865	4.7/16	4.7/16	4.7/16	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
C8866	0.1/16	0.1/16	0.1/16	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
C8867	330p/50	330p/50	330p/50	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
C8869	1000p/50	1000p/50	1000p/50	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
C8870	1500p/50	1500p/50	1500p/50	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
C8871	220p/50	220p/50	220p/50	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
C8872	0.1/16	0.1/16	0.1/16	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
C8873	10/10	10/10	10/10	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
C8874	0.1/16	0.1/16	0.1/16	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
C8875	1/16	1/16	1/16	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
C8876	4.7/16	4.7/16	4.7/16	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
C8877	10/10	10/10	10/10	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
C8878	10/10	10/10	10/10	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
C8879	0.1/16	0.1/16	0.1/16	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
C8881	1000p	1000p	1000p	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
C8883	NEX60JM-227X	NEX60JM-227X	NEX60JM-227X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN

DIGITAL PWB CIRCUIT DIAGRAM (3/16) SHEET 9

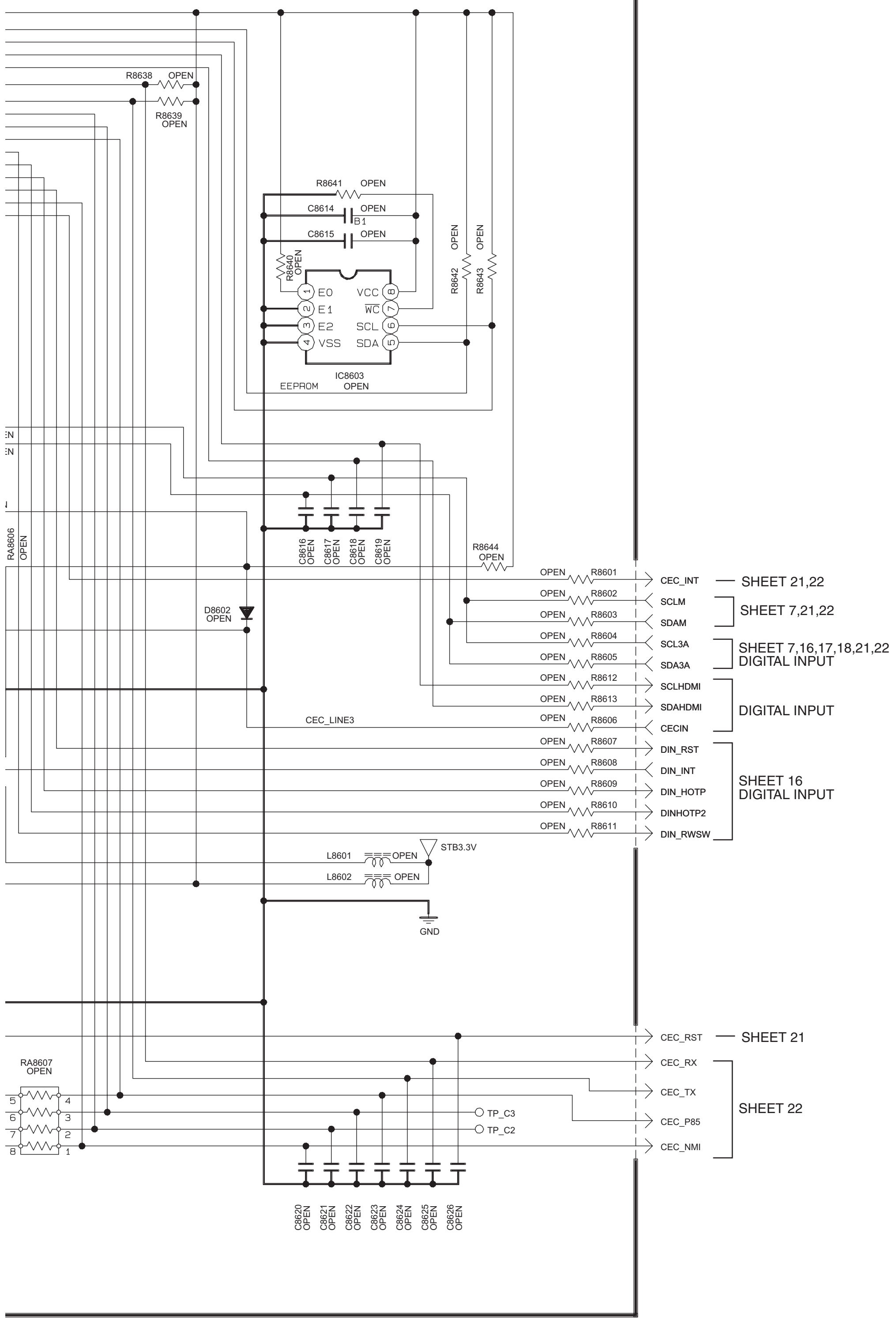


C8613
OPEN
B1
IC8601
OPEN
RA8603
OPEN
RA8604
OPEN
R8626
R8627
R8628
R8629
OPEN
P70/SCK3_2
P23
P22/TXD
P21/RXD
P20/SCK3
PB7
PB6
PB5
P67/FTIOD1
P66/FTIOC1
P65/FTIOB1
P64/FTIOA1
P60/FTIOA0
NMI
P61/FTIOB0
P62/FTIOC0
P63/FTIOD0
R8614
R8615
R8616
R8617
R8618
R8619
R8620
R8621
R8622
R8623
CEC_LINE8
P71/RXD_2
P72/TXD_2
P14/IRQ0
P15/IRQ1/TMIB1
P16/IRQ2
P17/IRQ3/TRGV
P33
P32
P31
P30
PB3/AN3
PB2/AN2
PB1/AN1
PB0/AN0
PB4/AN4
PB5/AN5
PB6/AN6
PB7/AN7
AVCC
X2
X1
VCC
RES
TEST
VSS
OSC2
OSC1
VCC
P50/WKP0
P51/WKP1
P34
P35
RA8601
OPEN
RA8602
OPEN
RA8605
OPEN
P24
P76/TMOV
P75/TMCIV
P74/TMRIV
P57/SCL
P56/SDA
P12
P11/PWM
P10/TMOW
P55/WKP5/ADTRG
P54/WKP4
P53/WKP3
P52/WKP2
P37
P36
R8632
R8633
R8634
R8635
R8636
R8637
CEC_LINE5
CEC_LINE7
CEC_LINE6
CEC_LINE4
RA8606
OPEN
Q8601
OPEN
C8603
C8604
C8605
C8607
C8608
C8609
C8610
R8625
R8630
R8631
R8645
X8601
OPEN
C8606
D8601
R8624
C8601
C8602
IC8602
OPEN
VDD
OUT
NC
VSS
CH
C8611
C8612
RA8
OP

DIGITAL PWB ASS'Y (3/16)
SFL0D178A-M2 [LT-32X667/Z]
SFL0D175A-M2 [LT-32X787/Z]
SFL0D173A-M2 [LT-32X887/Z]

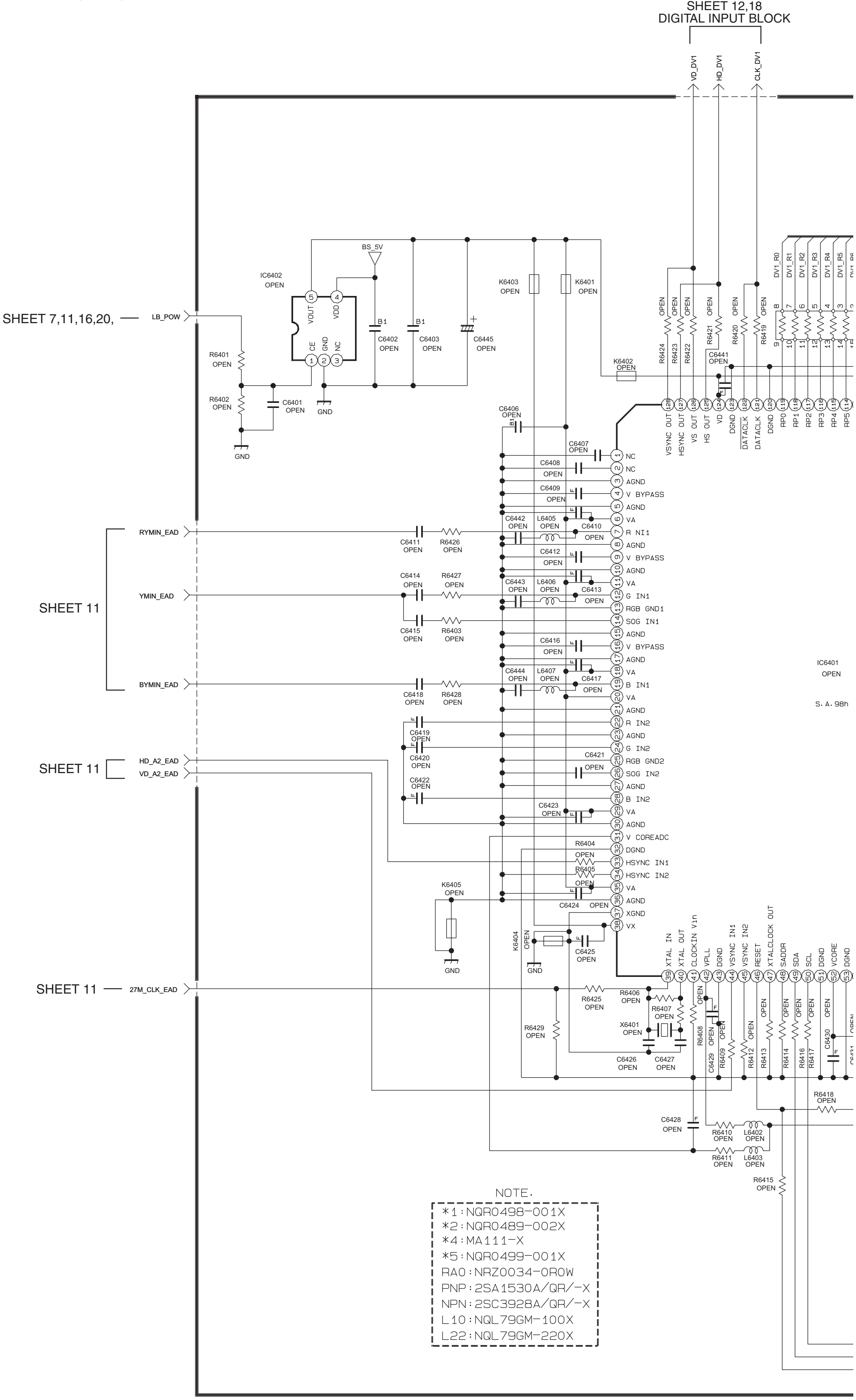
NOTE.

*1:NQR0498-001X
*2:NQR0489-002X
*4:MA111-X
*5:NQR0499-001X
RA0:NRZ0034-0R0W
PNP:2SA1530A/QR/-X
NPN:2SC3928A/QR/-X
L10:NQL79GM-100X
L22:NQL79GM-220X



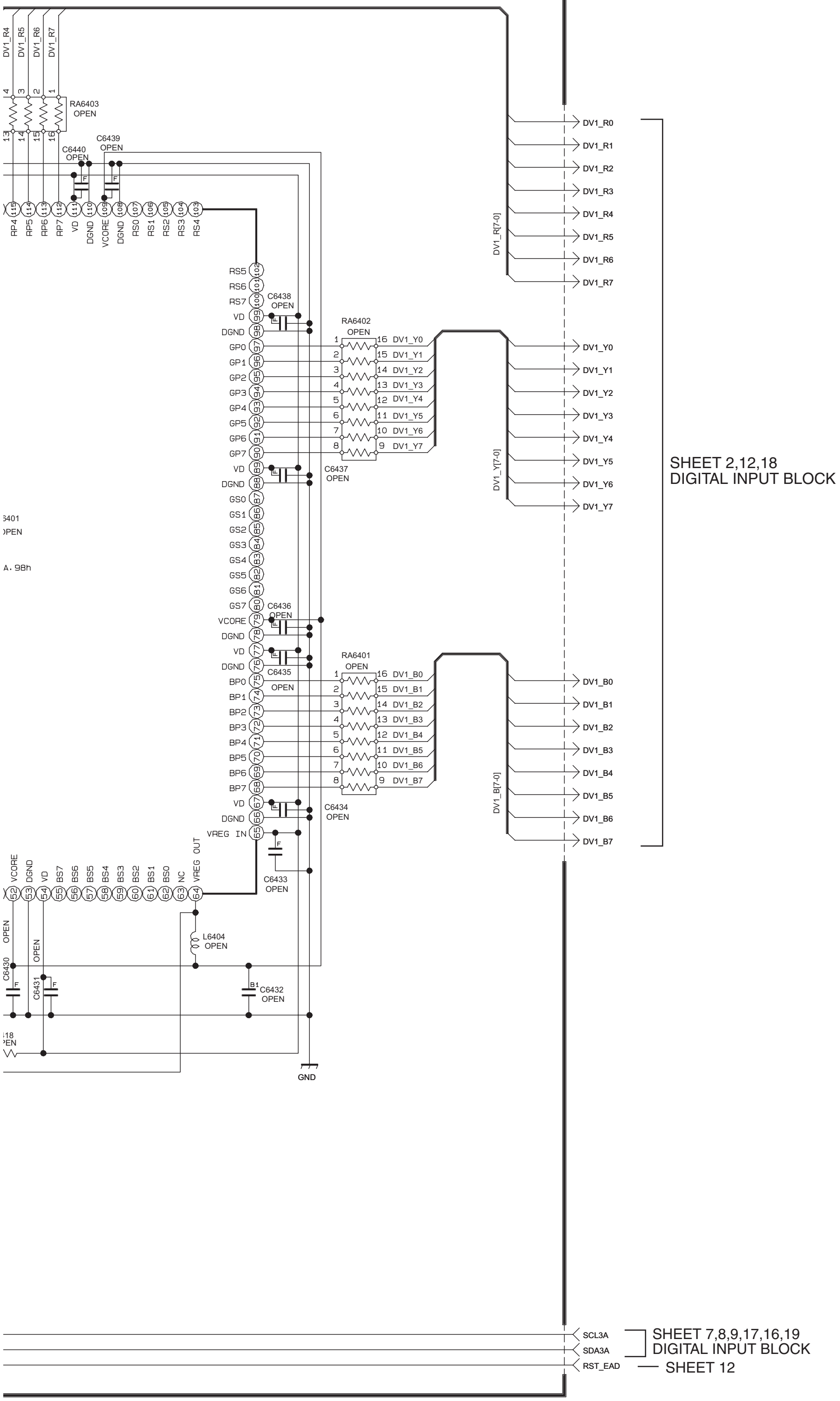
R8638 OPEN
R8639 OPEN
R8641 OPEN
C8614 OPEN
B1
C8615 OPEN
R8640 OPEN
R8642 OPEN
R8643 OPEN
1 E0
2 E1
3 E2
4 VSS
8 VCC
7 WC
6 SCL
5 SDA
IC8603
EEPROM OPEN
C8616 OPEN
C8617 OPEN
C8618 OPEN
C8619 OPEN
RA8606 OPEN
R8644 OPEN
D8602 OPEN
OPEN R8601 CEC_INT
OPEN R8602 SCLM
OPEN R8603 SDAM
OPEN R8604 SCL3A
OPEN R8605 SDA3A
OPEN R8612 SCLHDMI
OPEN R8613 SDAHDMI
CEC_LINE3
OPEN R8606 CECIN
OPEN R8607 DIN_RST
OPEN R8608 DIN_INT
OPEN R8609 DIN_HOTP
OPEN R8610 DINHOTP2
OPEN R8611 DIN_RWSW
SHEET 21,22
SHEET 7,21,22
SHEET 7,16,17,18,21,22
DIGITAL INPUT
DIGITAL INPUT
SHEET 16
DIGITAL INPUT
L8601 OPEN
L8602 OPEN
STB3.3V
GND
CEC_RST
CEC_RX
CEC_TX
CEC_P85
CEC_NMI
SHEET 21
SHEET 22
RA8607 OPEN
5 6 7 8
4 3 2 1
TP_C3
TP_C2
C8620 OPEN
C8621 OPEN
C8622 OPEN
C8623 OPEN
C8624 OPEN
C8625 OPEN
C8626 OPEN

DIGITAL PWB CIRCUIT DIAGRAM (4/16) SHEET 10


SHEET 12,18
DIGITAL INPUT BLOCK
VD_DV1
HD_DV1
CLK_DV1
SHEET 7,11,16,20,
LB_POW
IC6402
OPEN
BS_5V
VOUT
VDD
CE
GND
NC
R6401
OPEN
R6402
OPEN
C6401
OPEN
GND
B1
C6402
OPEN
B1
C6403
OPEN
C6445
OPEN
K6403
OPEN
K6401
OPEN
K6402
OPEN
C6441
OPEN
R6424
R6423
R6422
R6421
R6420
R6419
DV1_R0
DV1_R1
DV1_R2
DV1_R3
DV1_R4
DV1_R5
VSYNC OUT
HSYNC OUT
VS OUT
HS OUT
VD
DGND
DATACLK
DATACLK
DGND
RP0
RP1
RP2
RP3
RP4
RP5
C6406
OPEN
C6407
OPEN
C6408
OPEN
C6409
OPEN
C6442
OPEN
L6405
OPEN
C6410
OPEN
C6412
OPEN
C6443
OPEN
L6406
OPEN
C6413
OPEN
C6416
OPEN
C6444
OPEN
L6407
OPEN
C6417
OPEN
C6421
OPEN
C6423
OPEN
R6404
OPEN
R6405
OPEN
C6424
OPEN
NC
NC
AGND
V BYPASS
AGND
VA
R NI1
AGND
V BYPASS
AGND
VA
G IN1
RGB GND1
SOG IN1
AGND
V BYPASS
AGND
VA
B IN1
VA
AGND
R IN2
AGND
G IN2
RGB GND2
SOG IN2
AGND
B IN2
VA
AGND
V COREADC
DGND
HSYNC IN1
HSYNC IN2
VA
AGND
XGND
VX
SHEET 11
RYMIN_EAD
YMIN_EAD
BYMIN_EAD
C6411
OPEN
R6426
OPEN
C6414
OPEN
R6427
OPEN
C6415
OPEN
R6403
OPEN
C6418
OPEN
R6428
OPEN
C6419
OPEN
C6420
OPEN
C6422
OPEN
SHEET 11
HD_A2_EAD
VD_A2_EAD
IC6401
OPEN
S.A.98h
K6405
OPEN
GND
K6404
OPEN
GND
C6425
OPEN
XTAL IN
XTAL OUT
CLOCKIN Vin
VPLL
DGND
VSYNC IN1
VSYNC IN2
RESET
XTALCLOCK OUT
SADDR
SDA
SCL
DGND
VCORE
DGND
SHEET 11
27M_CLK_EAD
R6425
OPEN
R6406
OPEN
R6407
OPEN
X6401
OPEN
R6429
OPEN
C6426
OPEN
C6427
OPEN
R6408
C6429
R6409
R6412
R6413
R6414
R6416
R6417
C6430
R6418
OPEN
C6428
OPEN
R6410
OPEN
L6402
OPEN
R6411
OPEN
L6403
OPEN
R6415
OPEN

NOTE.
*1:NQR0498-001X
*2:NQR0489-002X
*4:MA111-X
*5:NQR0499-001X
RA0:NRZ0034-0R0W
PNP:2SA1530A/QR/-X
NPN:2SC3928A/QR/-X
L10:NQL79GM-100X
L22:NQL79GM-220X

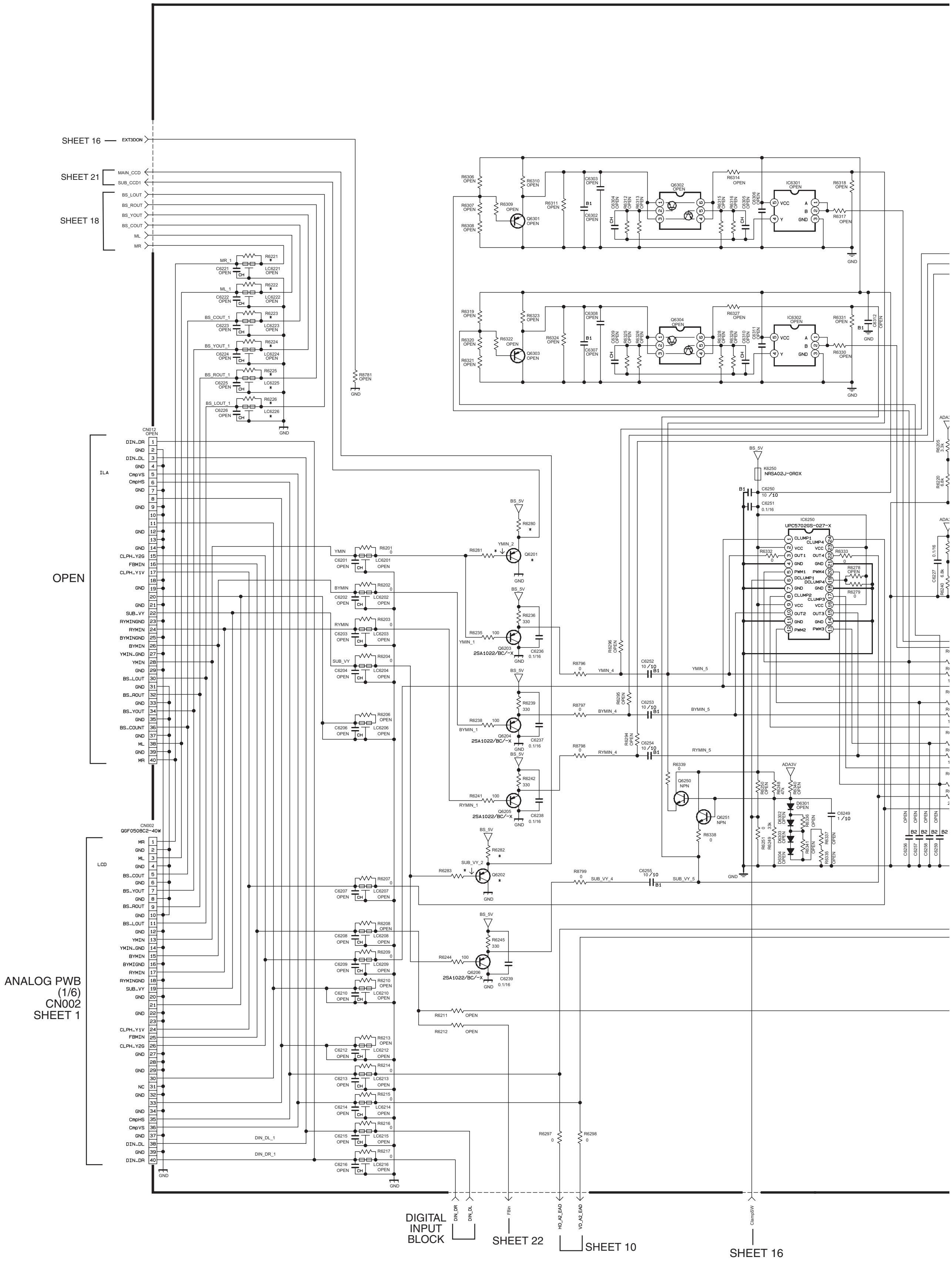
DIGITAL PWB ASS'Y (4/16)
SFL0D178A-M2 [LT-32X667/Z]
SFL0D175A-M2 [LT-32X787/Z]
SFL0D173A-M2 [LT-32X887/Z]



DV1_R4
DV1_R5
DV1_R6
DV1_R7
RA6403
OPEN
C6440
OPEN
C6439
OPEN
RP4
RP5
RP6
RP7
VD
DGND
VCORE
DGND
RS0
RS1
RS2
RS3
RS4
RS5
RS6
RS7
VD
DGND
GP0
GP1
GP2
GP3
GP4
GP5
GP6
GP7
VD
DGND
GS0
GS1
GS2
GS3
GS4
GS5
GS6
GS7
VCORE
DGND
VD
DGND
BP0
BP1
BP2
BP3
BP4
BP5
BP6
BP7
VD
DGND
VREG IN
VREG OUT
C6438
OPEN
RA6402
OPEN
DV1_Y0
DV1_Y1
DV1_Y2
DV1_Y3
DV1_Y4
DV1_Y5
DV1_Y6
DV1_Y7
C6437
OPEN
C6436
OPEN
C6435
OPEN
RA6401
OPEN
DV1_B0
DV1_B1
DV1_B2
DV1_B3
DV1_B4
DV1_B5
DV1_B6
DV1_B7
C6434
OPEN
C6433
OPEN
VCORE
DGND
VD
BS7
BS6
BS5
BS4
BS3
BS2
BS1
BS0
NC
L6404
OPEN
C6430
OPEN
C6431
OPEN
C6432
OPEN
GND
A, 9Bh
DV1_R[7-0]
DV1_Y[7-0]
DV1_B[7-0]
DV1_R0
DV1_R1
DV1_R2
DV1_R3
DV1_R4
DV1_R5
DV1_R6
DV1_R7
DV1_Y0
DV1_Y1
DV1_Y2
DV1_Y3
DV1_Y4
DV1_Y5
DV1_Y6
DV1_Y7
DV1_B0
DV1_B1
DV1_B2
DV1_B3
DV1_B4
DV1_B5
DV1_B6
DV1_B7
SHEET 2,12,18
DIGITAL INPUT BLOCK
SCL3A
SDA3A
RST_EAD
SHEET 7,8,9,17,16,19
DIGITAL INPUT BLOCK
SHEET 12

c10463001a017_0425_17/17_0.0

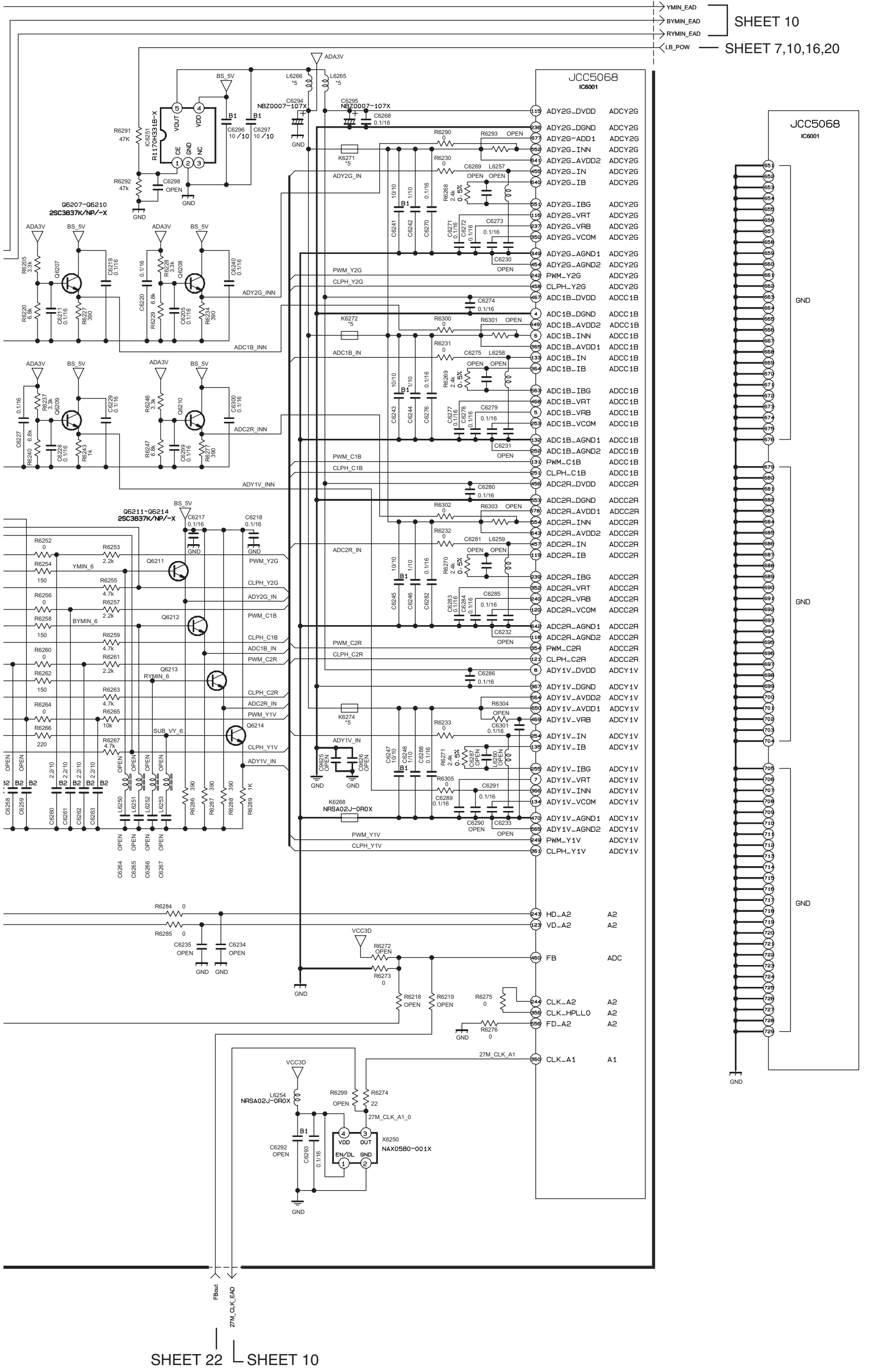
DIGITAL PWB CIRCUIT DIAGRAM (5/16) SHEET 11


SHEET 16
EXT3DON
SHEET 21
MAIN_CCD
SUB_CCD1
SHEET 18
BS_LOUT
BS_ROUT
BS_YOUT
BS_COUT
ML
MR
OPEN
ILA
CN012
ANALOG PWB
(1/6)
CN002
SHEET 1
LCD
CN002
QGF0508C2-40W
Q6301
Q6302
Q6303
Q6304
IC6301
IC6302
IC6250
UPC5702GS-027-X
K6250
NRSA02J-0R0X
BS_5V
ADA3V
Q6201
Q6202
Q6203
Q6204
Q6205
Q6206
2SA1022/BC/-X
Q6250
NPN
Q6251
NPN
YMIN_5
BYMIN_5
RYMIN_5
SUB_VY_5
DIGITAL
INPUT
BLOCK
DIN_DR
DIN_DL
FBin
SHEET 22
HD_A2_EAD
VD_A2_EAD
SHEET 10
ClampSW
SHEET 16
GND

DIGITAL PWB ASS'Y (5/16)
SFL0D178A-M2 [LT-32X667/Z]
SFL0D175A-M2 [LT-32X787/Z]
SFL0D173A-M2 [LT-32X887/Z]

* DIFFERENCE LIST

TYPE	LCD								
	JPN			US					
MODEL	LT-46LH800	LT-37LC85	LT-26LC80	LT-40X887 /X787	LT-37X887 /X787/X667	LT-32X887 X667/X787	LT-32XM57	LT-46FH97 /40FH97	LT-46FN97 /40FN97
ASSY NO.	SFL-0D071A	SFL-0D072A	SFL-0D074A	SFL-0D171A etc	SFL-0D172A etc	SFL-0D173A 175,178A etc	SFL-0D180A	SFL-0D182A etc	SFL-0D184A etc
	0LLC10547	0LLC10547 -02	0LLC10547 -04	0LLC10547 -05 etc	0LLC10547 -06 etc	0LLC10547 -07 etc	0LLC10547 -14	0LLC10547 -16 etc	0LLC10547 -18 etc
Q6201	OPEN	OPEN	OPEN	PNP	PNP	PNP	PNP	PNP	PNP
Q6202	OPEN	OPEN	OPEN	PNP	PNP	PNP	PNP	PNP	PNP
LC6225	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	NQR0470 -007X	NQR0470 -007X
LC6226	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	NQR0470 -007X	NQR0470 -007X
R6221	0	0	0	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R6222	0	0	0	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R6223	0	0	0	OPEN	OPEN	OPEN	OPEN	0	0
R6224	0	0	0	OPEN	OPEN	OPEN	OPEN	0	0
R6225	0	0	0	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R6226	0	0	0	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R6280	OPEN	OPEN	OPEN	330	330	330	330	330	330
R6281	OPEN	OPEN	OPEN	100	100	100	100	100	100
R6282	OPEN	OPEN	OPEN	330	330	330	330	330	330
R6283	OPEN	OPEN	OPEN	100	100	100	100	100	100

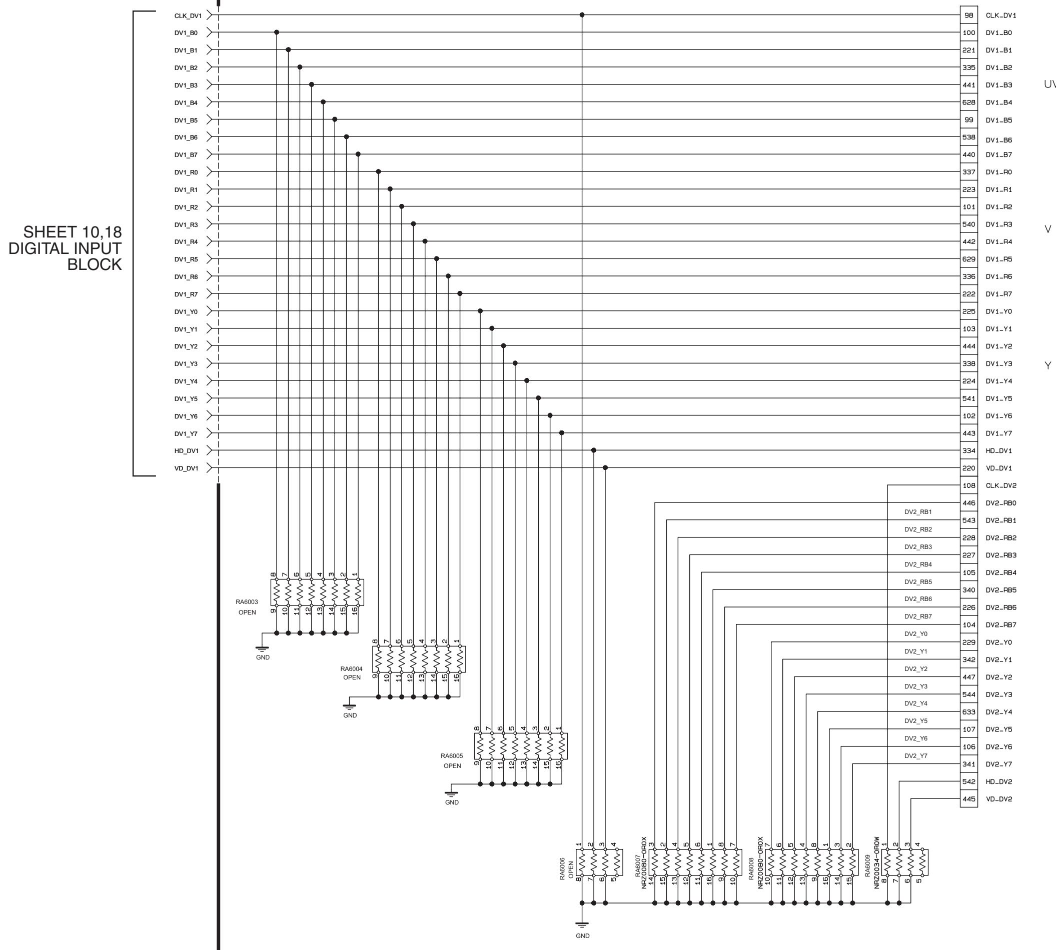

YMIN_EAD
BYMIN_EAD
RYMIN_EAD
SHEET 10
LB_POW
SHEET 7,10,16,20
ADA3V
BS_5V
JCC5068
IC6001
Q6207-Q6210
2SC3837K/NP/-X
Q6211-Q6214
2SC3837K/NP/-X
R1170H331B-X
NBZ0007-107X
NRSA02J-0R0X
X6250
NAX0580-001X
VCC3D
27M_CLK_A1
GND
FBout
27M_CLK_EAD
SHEET 22
SHEET 10

NOTE.

*1:NQR0498-001X
*2:NQR0489-002X
*4:MA111-X
*5:NQR0499-001X
RA0:NRZ0034-0R0W
PNP:2SA1530A/QR/-X
NPN:2SC3928A/QR/-X
L10:NQL79GM-100X
L22:NQL79GM-220X

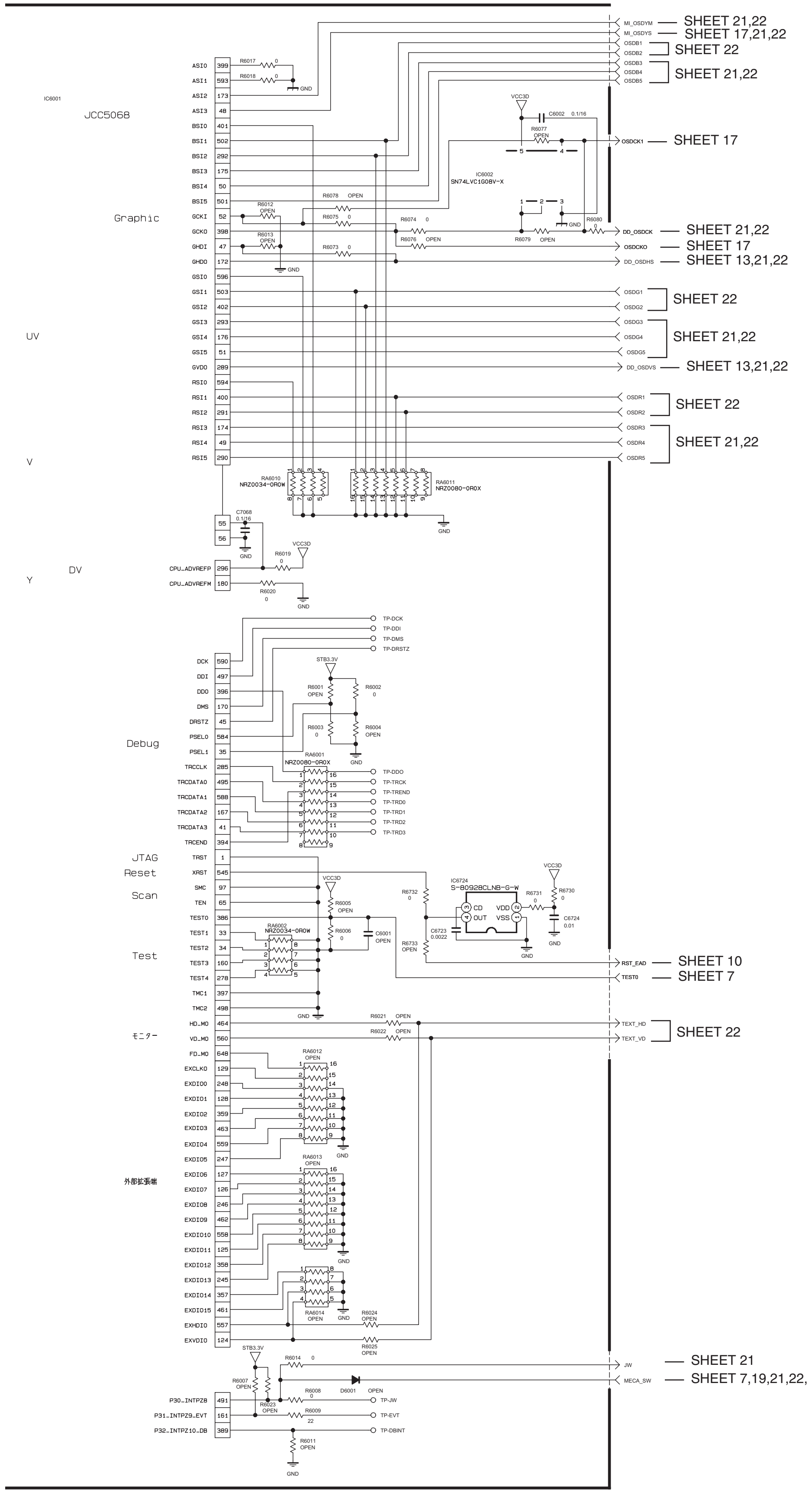
DIGITAL PWB CIRCUIT DIAGRAM (6/16) SHEET 12

DIGITAL PWB ASS'Y (6/16)
SFL0D178A-M2 [LT-32X667/Z]
SFL0D175A-M2 [LT-32X787/Z]
SFL0D173A-M2 [LT-32X887/Z]

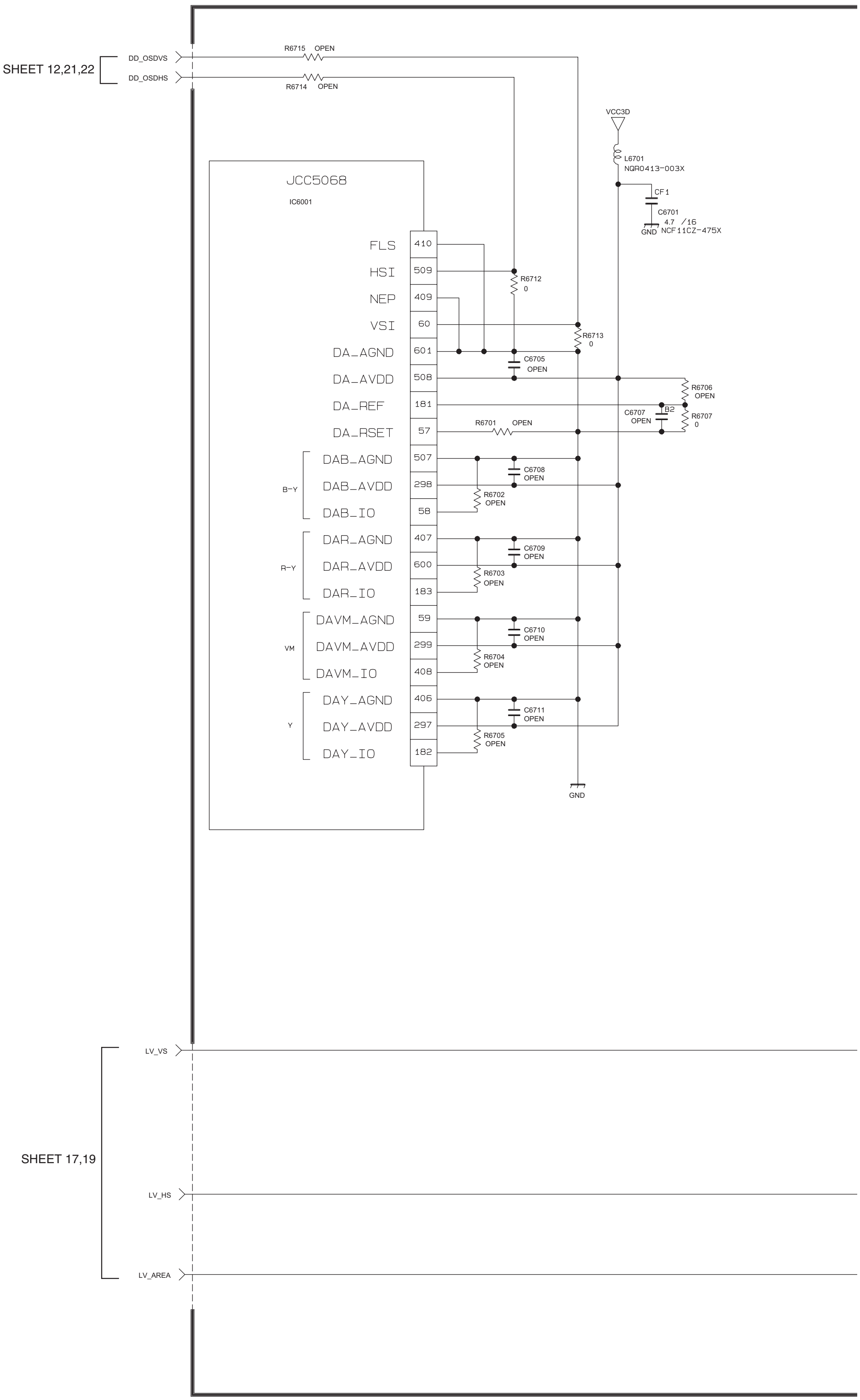

SHEET 10,18
DIGITAL INPUT
BLOCK
CLK_DV1
DV1_B0
DV1_B1
DV1_B2
DV1_B3
DV1_B4
DV1_B5
DV1_B6
DV1_B7
DV1_R0
DV1_R1
DV1_R2
DV1_R3
DV1_R4
DV1_R5
DV1_R6
DV1_R7
DV1_Y0
DV1_Y1
DV1_Y2
DV1_Y3
DV1_Y4
DV1_Y5
DV1_Y6
DV1_Y7
HD_DV1
VD_DV1
98 CLK_DV1
100 DV1_B0
221 DV1_B1
335 DV1_B2
441 DV1_B3
628 DV1_B4
99 DV1_B5
538 DV1_B6
440 DV1_B7
337 DV1_R0
223 DV1_R1
101 DV1_R2
540 DV1_R3
442 DV1_R4
629 DV1_R5
336 DV1_R6
222 DV1_R7
225 DV1_Y0
103 DV1_Y1
444 DV1_Y2
338 DV1_Y3
224 DV1_Y4
541 DV1_Y5
102 DV1_Y6
443 DV1_Y7
334 HD_DV1
220 VD_DV1
108 CLK_DV2
446 DV2_RB0
DV2_RB1
543 DV2_RB1
DV2_RB2
228 DV2_RB2
DV2_RB3
227 DV2_RB3
DV2_RB4
105 DV2_RB4
DV2_RB5
340 DV2_RB5
DV2_RB6
226 DV2_RB6
DV2_RB7
104 DV2_RB7
DV2_Y0
229 DV2_Y0
DV2_Y1
342 DV2_Y1
DV2_Y2
447 DV2_Y2
DV2_Y3
544 DV2_Y3
DV2_Y4
633 DV2_Y4
DV2_Y5
107 DV2_Y5
DV2_Y6
106 DV2_Y6
DV2_Y7
341 DV2_Y7
542 HD_DV2
445 VD_DV2
U\
V
Y
RA6003
OPEN
GND
RA6004
OPEN
GND
RA6005
OPEN
GND
RA6006
OPEN
RA6007
NRZ0080-0R0X
RA6008
NRZ0080-0R0X
RA6009
NRZ0034-0R0W
GND

NOTE.

*1:NQR0498-001X
*2:NQR0489-002X
*4:MA111-X
*5:NQR0499-001X
RA0:NRZ0034-0R0W
PNP:2SA1530A/QR/-X
NPN:2SC3928A/QR/-X
L10:NQL79GM-100X
L22:NQL79GM-220X


IC6001
JCC5068
Graphic
UV
V
Y
DV
Debug
JTAG
Reset
Scan
Test
モニター
外部拡張端
ASI0 399
ASI1 593
ASI2 173
ASI3 48
BSI0 401
BSI1 502
BSI2 292
BSI3 175
BSI4 50
BSI5 501
GCKI 52
GCKO 398
GHDI 47
GHDO 172
GSI0 596
GSI1 503
GSI2 402
GSI3 293
GSI4 176
GSI5 51
GVDO 289
RSI0 594
RSI1 400
RSI2 291
RSI3 174
RSI4 49
RSI5 290
CPU_ADVREFP 296
CPU_ADVREFM 180
DCK 590
DDI 497
DDO 396
DMS 170
DRSTZ 45
PSEL0 584
PSEL1 35
TRCCLK 285
TRCDATA0 495
TRCDATA1 588
TRCDATA2 167
TRCDATA3 41
TRCEND 394
TRST 1
XRST 545
SMC 97
TEN 65
TEST0 386
TEST1 33
TEST2 34
TEST3 160
TEST4 278
TMC1 397
TMC2 498
HD_MO 464
VD_MO 560
FD_MO 648
EXCLKO 129
EXDIO0 248
EXDIO1 128
EXDIO2 359
EXDIO3 463
EXDIO4 559
EXDIO5 247
EXDIO6 127
EXDIO7 126
EXDIO8 246
EXDIO9 462
EXDIO10 558
EXDIO11 125
EXDIO12 358
EXDIO13 245
EXDIO14 357
EXDIO15 461
EXHDIO 557
EXVDIO 124
P30_INTPZ8 491
P31_INTPZ9_EVT 161
P32_INTPZ10_DB 389
R6017 0
R6018 0
GND
VCC3D
C6002 0.1/16
R6077 OPEN
IC6002 SN74LVC1G08V-X
R6078 OPEN
R6075 0
R6074 0
R6076 OPEN
R6073 0
R6012 OPEN
R6013 OPEN
R6079 OPEN
R6080 0
RA6010 NRZ0034-0R0W
RA6011 NRZ0080-0R0X
C7068 0.1/16
R6019 0
R6020 0
MI_OSDYM
MI_OSDYS
OSDB1
OSDB2
OSDB3
OSDB4
OSDB5
OSDCK1
DD_OSDCK
OSDCKO
DD_OSDHS
OSDG1
OSDG2
OSDG3
OSDG4
OSDG5
DD_OSDVS
OSDR1
OSDR2
OSDR3
OSDR4
OSDR5
SHEET 21,22
SHEET 17,21,22
SHEET 22
SHEET 21,22
SHEET 17
SHEET 21,22
SHEET 17
SHEET 13,21,22
SHEET 22
SHEET 21,22
SHEET 13,21,22
SHEET 22
SHEET 21,22
TP-DCK
TP-DDI
TP-DMS
TP-DRSTZ
STB3.3V
R6001 OPEN
R6002 0
R6003 0
R6004 OPEN
RA6001 NRZ0080-0R0X
TP-DDO
TP-TRCK
TP-TREND
TP-TRD0
TP-TRD1
TP-TRD2
TP-TRD3
IC6724 S-80928CLNB-G-W
CD
OUT
VDD
VSS
R6732 0
R6731 0
R6730 0
C6724 0.01
C6723 0.0022
R6733 OPEN
R6005 OPEN
R6006 0
C6001 OPEN
RA6002 NRZ0034-0R0W
RST_EAD
TEST0
SHEET 10
SHEET 7
R6021 OPEN
R6022 OPEN
TEXT_HD
TEXT_VD
SHEET 22
RA6012 OPEN
RA6013 OPEN
RA6014 OPEN
R6024 OPEN
R6025 OPEN
R6014 0
R6007 OPEN
R6023 OPEN
R6008 0
D6001 OPEN
R6009 22
R6011 OPEN
JW
MECA_SW
SHEET 21
SHEET 7,19,21,22,
TP-JW
TP-EVT
TP-DBINT

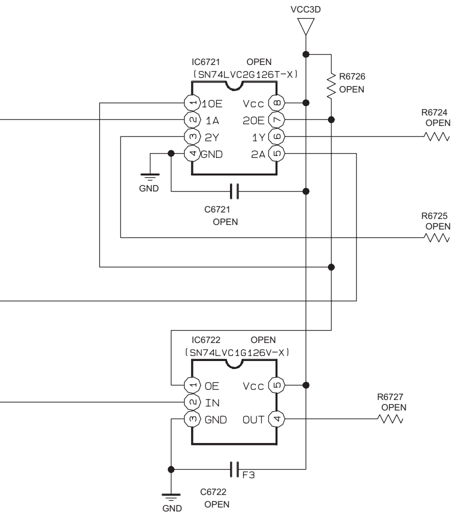
DIGITAL PWB CIRCUIT DIAGRAM (7/16) SHEET 13


SHEET 12,21,22
DD_OSDVS
DD_OSDHS
R6715 OPEN
R6714 OPEN
VCC3D
L6701
NQR0413-003X
CF1
C6701
4.7 /16
NCF11CZ-475X
GND
JCC5068
IC6001
FLS 410
HSI 509
NEP 409
VSI 60
DA_AGND 601
DA_AVDD 508
DA_REF 181
DA_RSET 57
DAB_AGND 507
DAB_AVDD 298
DAB_IO 58
DAR_AGND 407
DAR_AVDD 600
DAR_IO 183
DAVM_AGND 59
DAVM_AVDD 299
DAVM_IO 408
DAY_AGND 406
DAY_AVDD 297
DAY_IO 182
B-Y
R-Y
VM
Y
R6712 0
R6713 0
C6705 OPEN
R6706 OPEN
R6707 0
C6707 OPEN
B2
R6701 OPEN
C6708 OPEN
R6702 OPEN
C6709 OPEN
R6703 OPEN
C6710 OPEN
R6704 OPEN
C6711 OPEN
R6705 OPEN
GND
SHEET 17,19
LV_VS
LV_HS
LV_AREA

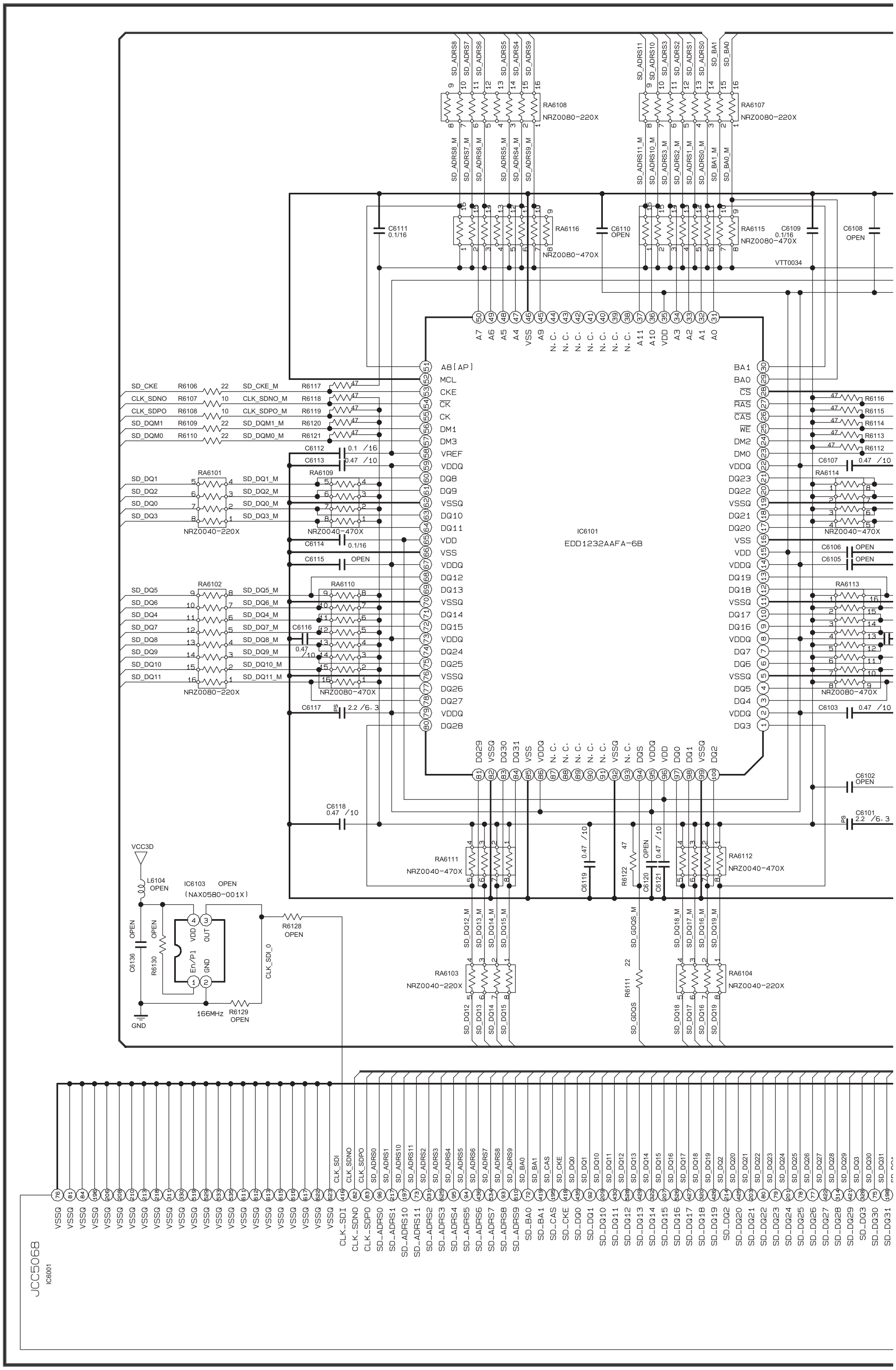
DIGITAL PWB ASS'Y (7/16)
SFL0D178A-M2 [LT-32X667/Z]
SFL0D175A-M2 [LT-32X787/Z]
SFL0D173A-M2 [LT-32X887/Z]

NOTE.

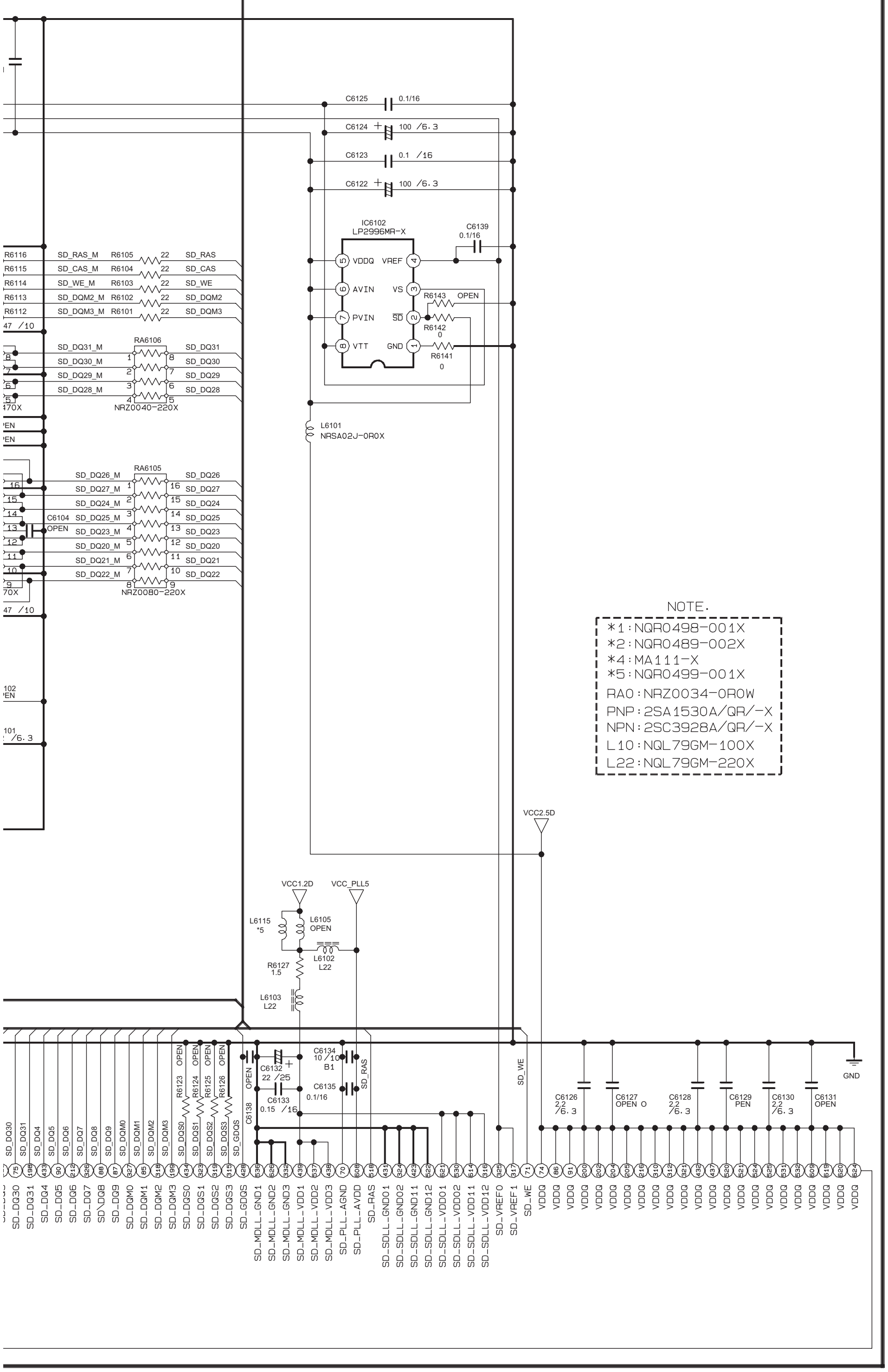
*1:NQR0498-001X
*2:NQR0489-002X
*4:MA111-X
*5:NQR0499-001X
RA0:NRZ0034-0R0W
PNP:2SA1530A/QR/-X
NPN:2SC3928A/QR/-X
L10:NQL79GM-100X
L22:NQL79GM-220X


VCC3D
IC6721 OPEN
(SN74LVC2G126T-X)
R6726 OPEN
1 1OE
2 1A
3 2Y
4 GND
8 Vcc
7 2OE
6 1Y
5 2A
R6724 OPEN
GND
C6721 OPEN
R6725 OPEN
IC6722 OPEN
(SN74LVC1G126V-X)
1 OE
2 IN
3 GND
5 Vcc
4 OUT
R6727 OPEN
F3
C6722 OPEN
GND

DIGITAL PWB CIRCUIT DIAGRAM (8/16) SHEET 14


SD_ADRS8
SD_ADRS7
SD_ADRS6
SD_ADRS5
SD_ADRS4
SD_ADRS9
RA6108
NRZ0080-220X
SD_ADRS8_M
SD_ADRS7_M
SD_ADRS6_M
SD_ADRS5_M
SD_ADRS4_M
SD_ADRS9_M
SD_ADRS11
SD_ADRS10
SD_ADRS3
SD_ADRS2
SD_ADRS1
SD_ADRS0
SD_BA1
SD_BA0
RA6107
NRZ0080-220X
SD_ADRS11_M
SD_ADRS10_M
SD_ADRS3_M
SD_ADRS2_M
SD_ADRS1_M
SD_ADRS0_M
SD_BA1_M
SD_BA0_M
C6111
0.1/16
RA6116
NRZ0080-470X
C6110
OPEN
RA6115
NRZ0080-470X
C6109
0.1/16
C6108
OPEN
VTT0034
IC6101
EDD1232AAFA-6B
A7
A6
A5
A4
VSS
A9
N.C.
A11
A10
VDD
A3
A2
A1
A0
A8[AP]
MCL
CKE
CK
CK
DM1
DM3
VREF
VDDQ
DQ8
DQ9
VSSQ
DQ10
DQ11
VDD
VSS
VDDQ
DQ12
DQ13
VSSQ
DQ14
DQ15
VDDQ
DQ24
DQ25
VSSQ
DQ26
DQ27
VDDQ
DQ28
BA1
BA0
CS
RAS
CAS
WE
DM2
DM0
VDDQ
DQ23
DQ22
VSSQ
DQ21
DQ20
VSS
VDD
VDDQ
DQ19
DQ18
VSSQ
DQ17
DQ16
VDDQ
DQ7
DQ6
VSSQ
DQ5
DQ4
VDDQ
DQ3
DQ29
VSSQ
DQ30
DQ31
VSS
VDDQ
DQS
DQ0
DQ1
DQ2
SD_CKE
R6106
22
SD_CKE_M
R6117
47
CLK_SDNO
R6107
10
CLK_SDNO_M
R6118
CLK_SDPO
R6108
CLK_SDPO_M
R6119
SD_DQM1
R6109
SD_DQM1_M
R6120
SD_DQM0
R6110
SD_DQM0_M
R6121
C6112
0.1 /16
C6113
0.47 /10
RA6101
RA6109
SD_DQ1
SD_DQ2
SD_DQ0
SD_DQ3
SD_DQ1_M
SD_DQ2_M
SD_DQ0_M
SD_DQ3_M
NRZ0040-220X
NRZ0040-470X
C6114
0.1/16
C6115
OPEN
RA6102
RA6110
SD_DQ5
SD_DQ6
SD_DQ4
SD_DQ7
SD_DQ8
SD_DQ9
SD_DQ10
SD_DQ11
SD_DQ5_M
SD_DQ6_M
SD_DQ4_M
SD_DQ7_M
SD_DQ8_M
SD_DQ9_M
SD_DQ10_M
SD_DQ11_M
C6116
0.47 /10
NRZ0080-220X
NRZ0080-470X
C6117
2.2 /6.3
R6116
R6115
R6114
R6113
R6112
C6107
0.47 /10
RA6114
NRZ0040-470X
C6106
OPEN
C6105
OPEN
RA6113
NRZ0080-470X
C6103
0.47 /10
C6102
OPEN
C6101
2.2 /6.3
C6118
0.47 /10
RA6111
NRZ0040-470X
C6119
0.47 /10
R6122
47
C6120
OPEN
C6121
0.47 /10
RA6112
NRZ0040-470X
SD_DQ12_M
SD_DQ13_M
SD_DQ14_M
SD_DQ15_M
SD_GDQS_M
SD_DQ18_M
SD_DQ17_M
SD_DQ16_M
SD_DQ19_M
RA6103
NRZ0040-220X
R6111
22
RA6104
NRZ0040-220X
SD_DQ12
SD_DQ13
SD_DQ14
SD_DQ15
SD_GDQS
SD_DQ18
SD_DQ17
SD_DQ16
SD_DQ19
VCC3D
L6104
OPEN
IC6103 OPEN
(NAX0580-001X)
VDD
OUT
En/P1
GND
C6136
OPEN
R6130
OPEN
CLK_SDI_0
R6128
OPEN
166MHz
R6129
OPEN
GND
JCC5068
IC6001
VSSQ
CLK_SDI
CLK_SDNO
CLK_SDPO
SD_ADRS0
SD_ADRS1
SD_ADRS10
SD_ADRS11
SD_ADRS2
SD_ADRS3
SD_ADRS4
SD_ADRS5
SD_ADRS6
SD_ADRS7
SD_ADRS8
SD_ADRS9
SD_BA0
SD_BA1
SD_CAS
SD_CKE
SD_DQ0
SD_DQ1
SD_DQ10
SD_DQ11
SD_DQ12
SD_DQ13
SD_DQ14
SD_DQ15
SD_DQ16
SD_DQ17
SD_DQ18
SD_DQ19
SD_DQ2
SD_DQ20
SD_DQ21
SD_DQ22
SD_DQ23
SD_DQ24
SD_DQ25
SD_DQ26
SD_DQ27
SD_DQ28
SD_DQ29
SD_DQ3
SD_DQ30
SD_DQ31

DIGITAL PWB ASS'Y (8/16)
SFL0D178A-M2 [LT-32X667/Z]
SFL0D175A-M2 [LT-32X787/Z]
SFL0D173A-M2 [LT-32X887/Z]



C6125 0.1/16
C6124 100 /6.3
C6123 0.1 /16
C6122 100 /6.3
IC6102
LP2996MR-X
VDDQ
AVIN
PVIN
VTT
VREF
VS
SD
GND
C6139 0.1/16
R6143 OPEN
R6142 0
R6141 0
R6105 22 SD_RAS
R6104 22 SD_CAS
R6103 22 SD_WE
R6102 22 SD_DQM2
R6101 22 SD_DQM3
RA6106
NRZ0040-220X
RA6105
NRZ0080-220X
L6101
NRSA02J-0R0X
C6104 OPEN
VCC2.5D
VCC1.2D
VCC_PLL5
L6115 *5
L6105 OPEN
L6102 L22
R6127 1.5
L6103 L22
C6132 22 /25
C6133 0.15 /16
C6134 10 /10 B1
C6135 0.1/16
C6138 OPEN
R6123 OPEN
R6124 OPEN
R6125 OPEN
R6126 OPEN
C6126 22 /6.3
C6127 OPEN
C6128 22 /6.3
C6129 OPEN
C6130 22 /6.3
C6131 OPEN
GND
SD_WE
SD_RAS

NOTE.
*1:NQR0498-001X
*2:NQR0489-002X
*4:MA111-X
*5:NQR0499-001X
RA0:NRZ0034-0R0W
PNP:2SA1530A/QR/-X
NPN:2SC3928A/QR/-X
L10:NQL79GM-100X
L22:NQL79GM-220X

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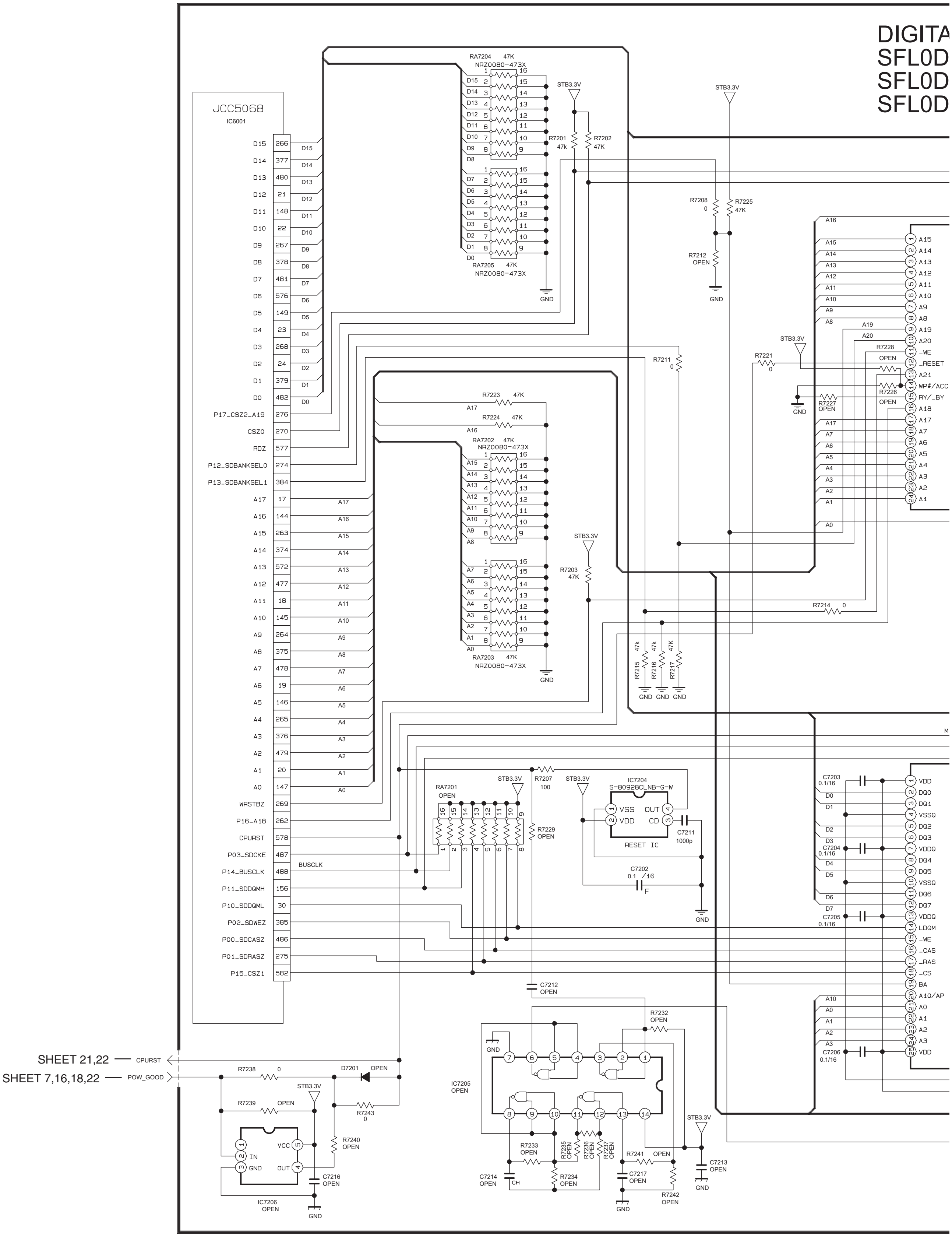
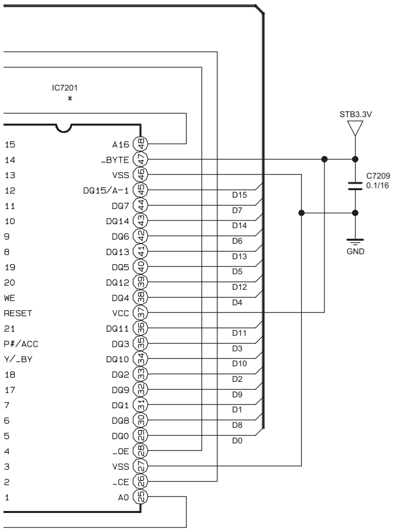
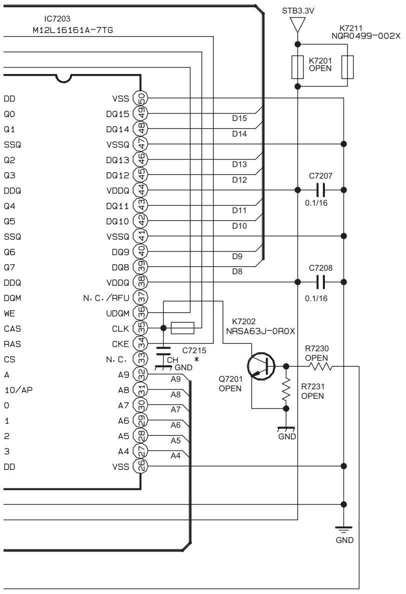

DIGITA
SFL0D
SFL0D
SFL0D
JCC5068
IC6001
D15 266
D14 377
D13 480
D12 21
D11 148
D10 22
D9 267
D8 378
D7 481
D6 576
D5 149
D4 23
D3 268
D2 24
D1 379
D0 482
P17_CSZ2_A19 276
CSZ0 270
RDZ 577
P12_SDBANKSEL0 274
P13_SDBANKSEL1 384
A17 17
A16 144
A15 263
A14 374
A13 572
A12 477
A11 18
A10 145
A9 264
A8 375
A7 478
A6 19
A5 146
A4 265
A3 376
A2 479
A1 20
A0 147
WRSTBZ 269
P16_A18 262
CPURST 578
P03_SDCKE 487
P14_BUSCLK 488
P11_SDDQMH 156
P10_SDDQML 30
P02_SDWEZ 385
P00_SDCASZ 486
P01_SDRASZ 275
P15_CSZ1 582
BUSCLK
RA7204 47K
NRZ0080-473X
RA7205 47K
NRZ0080-473X
RA7202 47K
NRZ0080-473X
RA7203 47K
NRZ0080-473X
R7223 47K
R7224 47K
STB3.3V
R7201 47k
R7202 47K
R7208 0
R7225 47K
R7212 OPEN
GND
R7211 0
R7221 0
R7228 OPEN
R7226 OPEN
R7227 OPEN
R7203 47K
R7214 0
R7215 47K
R7216 47K
R7217 47K
A15 A14 A13 A12 A11 A10 A9 A8 A19 A20 _WE _RESET A21 WP#/ACC RY/_BY A18 A17 A7 A6 A5 A4 A3 A2 A1
RA7201 OPEN
R7207 100
R7229 OPEN
IC7204
S-80928CLNB-G-W
VSS OUT
VDD CD
RESET IC
C7211 1000p
C7202 0.1 /16 F
C7212 OPEN
C7203 0.1/16
C7204 0.1/16
C7205 0.1/16
C7206 0.1/16
VDD DQ0 DQ1 VSSQ DQ2 DQ3 VDDQ DQ4 DQ5 VSSQ DQ6 DQ7 VDDQ LDQM _WE _CAS _RAS _CS BA A10/AP A0 A1 A2 A3 VDD
R7232 OPEN
IC7205 OPEN
R7233 OPEN
R7234 OPEN
R7235 OPEN
R7236 OPEN
R7237 OPEN
R7241 OPEN
R7242 OPEN
C7214 OPEN
CH
C7217 OPEN
C7213 OPEN
SHEET 21,22
CPURST
SHEET 7,16,18,22
POW_GOOD
R7238 0
D7201 OPEN
R7239 OPEN
R7243 0
R7240 OPEN
IN
GND
VCC
OUT
C7216 OPEN
IC7206 OPEN

ITAL PWB ASS'Y (9/16)
0D178A-M2 [LT-32X667/Z]
0D175A-M2 [LT-32X787/Z]
0D173A-M2 [LT-32X887/Z]


IC7201
*
15
14
13
12
11
10
9
8
19
20
WE
RESET
21
P#/ACC
Y/_BY
18
17
7
6
5
4
3
2
1
A16 48
_BYTE 47
VSS 46
DQ15/A-1 45
DQ7 44
DQ14 43
DQ6 42
DQ13 41
DQ5 40
DQ12 39
DQ4 38
VCC 37
DQ11 36
DQ3 35
DQ10 34
DQ2 33
DQ9 32
DQ1 31
DQ8 30
DQ0 29
_OE 28
VSS 27
_CE 26
A0 25
D15
D7
D14
D6
D13
D5
D12
D4
D11
D3
D10
D2
D9
D1
D8
D0
STB3.3V
C7209
0.1/16
GND

* DIFFERENCE LIST

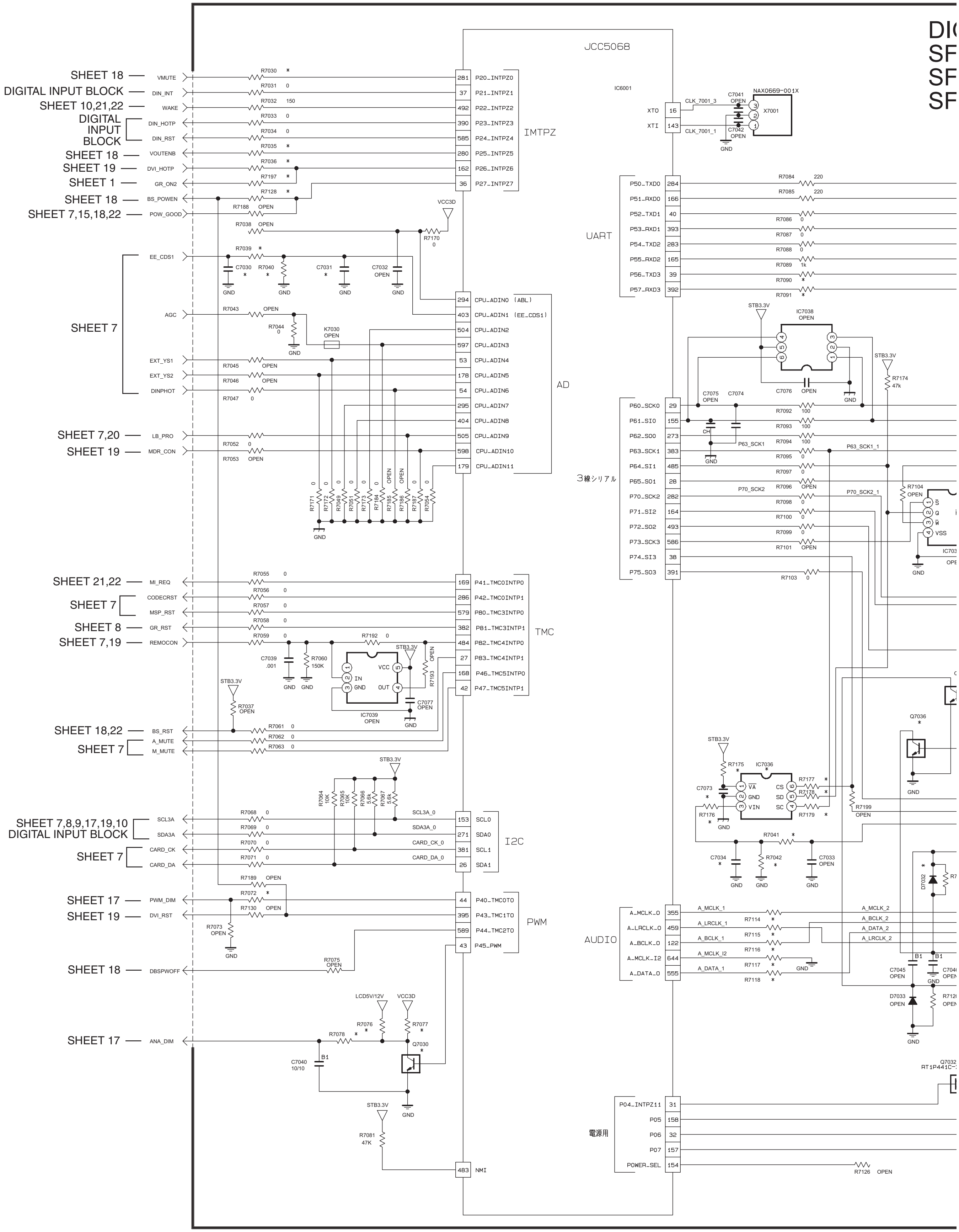
TYPE	LCD								
	JPN			US					
MODEL	LT-46LH800	LT-37LC85	LT-26LC80	LT-40X887 /X787	LT-37X887 /X787/X667	LT-32X887 X667/X787	LT-32XM57	LT-46FH97 /40FH97	LT-46FN97 /40FN97
ASSY NO.	SFL-0D071A	SFL-0D072A	SFL-0D074A	SFL-0D171A etc	SFL-0D172A etc	SFL-0D173A 175A,178A etc	SFL-0D180A	SFL-0D182A etc	SFL-0D184A etc
	0LLC10547	0LLC10547 -02	0LLC10547 -04	0LLC10547 -05 etc	0LLC10547 -06 etc	0LLC10547 -07 etc	0LLC10547 -14	0LLC10547 -16 etc	0LLC10547 -18 etc
IC7201	39VF641B7 IEKD05	39VF641B7 IEKD06	39VF641B7 IEKD04	39VF800A7 IEKD80	39VF800A7 IEKD79	39VF800A7 IEKDB6	39VF800A7 IEKDB6	39VF800A7 IEKD83	39VF800A7 IEKD83
C7215	OPEN	OPEN	OPEN	33p	33p	33p	33p	33p	33p


IC7203
M12L16161A-7TG
DD
Q0
Q1
SSQ
Q2
Q3
DDQ
Q4
Q5
SSQ
Q6
Q7
DDQ
DQM
WE
CAS
RAS
CS
A
10/AP
0
1
2
3
DD
VSS 50
DQ15 49
DQ14 48
VSSQ 47
DQ13 46
DQ12 45
VDDQ 44
DQ11 43
DQ10 42
VSSQ 41
DQ9 40
DQ8 39
VDDQ 38
N.C./RFU 37
UDQM 36
CLK 35
CKE 34
N.C. 33
A9 32
A8 31
A7 30
A6 29
A5 28
A4 27
VSS 26
D15
D14
D13
D12
D11
D10
D9
D8
A9
A8
A7
A6
A5
A4
STB3.3V
K7211
NQR0499-002X
K7201
OPEN
C7207
0.1/16
C7208
0.1/16
K7202
NRSA63J-0R0X
C7215
CH *
GND
Q7201
OPEN
R7230
OPEN
R7231
OPEN
GND
GND

NOTE.

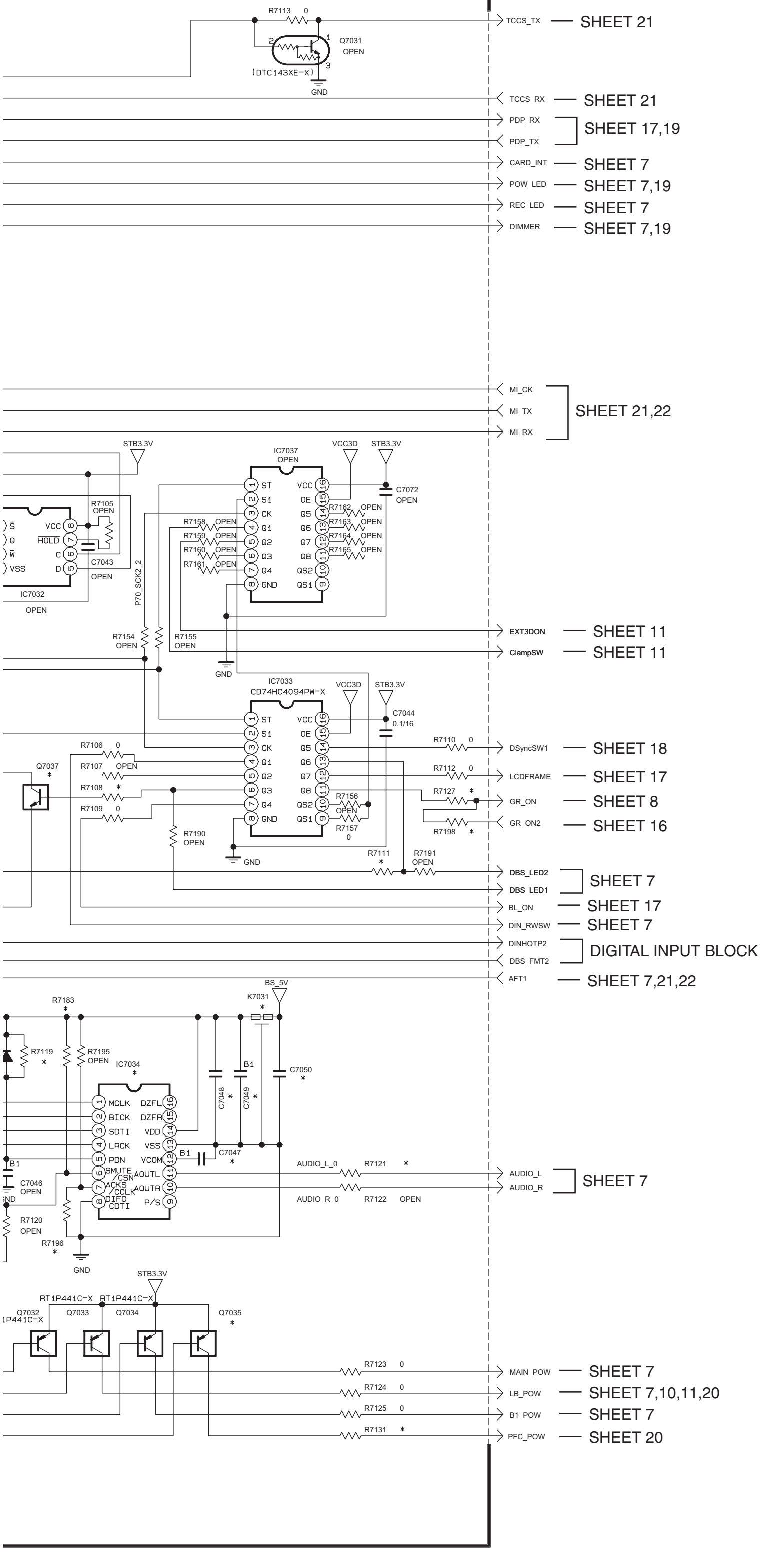
*1:NQR0498-001X
*2:NQR0489-002X
*4:MA111-X
*5:NQR0499-001X
RA0:NRZ0034-0R0W
PNP:2SA1530A/QR/-X
NPN:2SC3928A/QR/-X
L10:NQL79GM-100X
L22:NQL79GM-220X

DIGITAL PWB CIRCUIT DIAGRAM (10/16) SHEET 16



JCC5068
IC6001
SHEET 18
DIGITAL INPUT BLOCK
SHEET 10,21,22
DIGITAL INPUT BLOCK
SHEET 18
SHEET 19
SHEET 1
SHEET 18
SHEET 7,15,18,22
SHEET 7
SHEET 7,20
SHEET 19
SHEET 21,22
SHEET 7
SHEET 8
SHEET 7,19
SHEET 18,22
SHEET 7
SHEET 7,8,9,17,19,10
DIGITAL INPUT BLOCK
SHEET 7
SHEET 17
SHEET 19
SHEET 18
SHEET 17
VMUTE
DIN_INT
WAKE
DIN_HOTP
DIN_RST
VOUTENB
DVI_HOTP
GR_ON2
BS_POWEN
POW_GOOD
EE_CDS1
AGC
EXT_YS1
EXT_YS2
DINPHOT
LB_PRO
MDR_CON
MI_REQ
CODECRST
MSP_RST
GR_RST
REMOCON
BS_RST
A_MUTE
M_MUTE
SCL3A
SDA3A
CARD_CK
CARD_DA
PWM_DIM
DVI_RST
DBSPWOFF
ANA_DIM
IMTPZ
P20_INTPZ0
P21_INTPZ1
P22_INTPZ2
P23_INTPZ3
P24_INTPZ4
P25_INTPZ5
P26_INTPZ6
P27_INTPZ7
AD
CPU_ADIN0 (ABL)
CPU_ADIN1 (EE_CDS1)
CPU_ADIN2
CPU_ADIN3
CPU_ADIN4
CPU_ADIN5
CPU_ADIN6
CPU_ADIN7
CPU_ADIN8
CPU_ADIN9
CPU_ADIN10
CPU_ADIN11
TMC
P41_TMC0INTP0
P42_TMC0INTP1
P80_TMC3INTP0
P81_TMC3INTP1
P82_TMC4INTP0
P83_TMC4INTP1
P46_TMC5INTP0
P47_TMC5INTP1
I2C
SCL0
SDA0
SCL1
SDA1
SCL3A_0
SDA3A_0
CARD_CK_0
CARD_DA_0
PWM
P40_TMC0T0
P43_TMC1T0
P44_TMC2T0
P45_PWM
NMI
XT0
XTI
CLK_7001_3
CLK_7001_1
NAX0669-001X
X7001
UART
P50_TXD0
P51_RXD0
P52_TXD1
P53_RXD1
P54_TXD2
P55_RXD2
P56_TXD3
P57_RXD3
3線シリアル
P60_SCK0
P61_SI0
P62_SO0
P63_SCK1
P64_SI1
P65_SO1
P70_SCK2
P71_SI2
P72_SO2
P73_SCK3
P74_SI3
P75_SO3
P63_SCK1
P63_SCK1_1
P70_SCK2
P70_SCK2_1
IC7038
IC7036
IC7039
VA
GND
VIN
CS
SD
SC
VCC
IN
OUT
AUDIO
A_MCLK_0
A_LRCLK_0
A_BCLK_0
A_MCLK_I2
A_DATA_0
A_MCLK_1
A_LRCLK_1
A_BCLK_1
A_MCLK_I2
A_DATA_1
A_MCLK_2
A_BCLK_2
A_DATA_2
A_LRCLK_2
電源用
P04_INTPZ11
P05
P06
P07
POWER_SEL
STB3.3V
VCC3D
LCD5V/12V
Q7030
Q7032
RT1P441C
Q7036
D7032
D7033
GND
OPEN

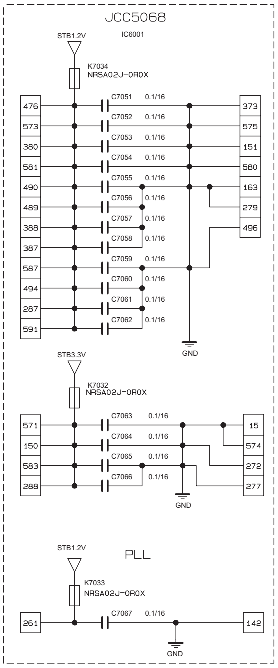
DIGITAL PWB ASS'Y (10/16)
SFL0D178A-M2 [LT-32X667/Z]
SFL0D175A-M2 [LT-32X787/Z]
SFL0D173A-M2 [LT-32X887/Z]



R7113 0
Q7031 OPEN
(DTC143XE-X)
GND
TCCS_TX
SHEET 21
TCCS_RX
SHEET 21
PDP_RX
PDP_TX
SHEET 17,19
CARD_INT
SHEET 7
POW_LED
SHEET 7,19
REC_LED
SHEET 7
DIMMER
SHEET 7,19
MI_CK
MI_TX
MI_RX
SHEET 21,22
STB3.3V
IC7037 OPEN
VCC3D
C7072 OPEN
R7105 OPEN
R7158 OPEN
R7159 OPEN
R7160 OPEN
R7161 OPEN
R7162 OPEN
R7163 OPEN
R7164 OPEN
R7165 OPEN
C7043 OPEN
IC7032 OPEN
P70_SCK2_2
R7154 OPEN
R7155 OPEN
GND
EXT3DON
SHEET 11
ClampSW
SHEET 11
IC7033
CD74HC4094PW-X
C7044 0.1/16
R7106 0
R7107 OPEN
R7108 *
R7109 0
Q7037 *
R7110 0
R7112 0
R7127 *
R7198 *
R7156
R7157 0
R7190 OPEN
R7111 *
R7191 OPEN
DSyncSW1
SHEET 18
LCDFRAME
SHEET 17
GR_ON
SHEET 8
GR_ON2
SHEET 16
DBS_LED2
DBS_LED1
SHEET 7
BL_ON
SHEET 17
DIN_RWSW
SHEET 7
DINHOTP2
DBS_FMT2
DIGITAL INPUT BLOCK
AFT1
SHEET 7,21,22
BS_5V
K7031 *
R7183 *
R7119 *
R7195 OPEN
IC7034 *
C7048 *
C7049 *
C7050 *
C7047 *
C7046 OPEN
R7120 OPEN
R7196 *
MCLK DZFL
BICK DZFR
SDTI VDD
LRCK VSS
PDN VCOM
SMUTE/CSN AOUTL
ACKS/CCLK AOUTR
DIF0/CDTI P/S
AUDIO_L_0
AUDIO_R_0
R7121 *
R7122 OPEN
AUDIO_L
AUDIO_R
SHEET 7
STB3.3V
RT1P441C-X
Q7032
Q7033
Q7034
Q7035 *
R7123 0
R7124 0
R7125 0
R7131 *
MAIN_POW
SHEET 7
LB_POW
SHEET 7,10,11,20
B1_POW
SHEET 7
PFC_POW
SHEET 20

* DIFFERENCE LIST

TYPE	LCD								
	JPN			US					
MODEL	LT-46LH800	LT-37LC85	LT-26LC80	LT-40X887 /X787	LT-37X887 /X787/X667	LT-32X887 X667/X787	LT-32XM57	LT-46FH97 /40FH97	LT-46FN97 /40FN97
ASSY NO.	SFL-0D071A	SFL-0D072A	SFL-0D074A	SFL-0D171A etc	SFL-0D172A etc	SFL-0D173A 175A,178A etc	SFL-0D180A	SFL-0D182A etc	SFL-0D184A etc
	OLLC10547	OLLC10547 -02	OLLC10547 -04	OLLC10547 -05 etc	OLLC10547 -06 etc	OLLC10547 -07 etc	OLLC10547 -14	OLLC10547 -16 etc	OLLC10547 -18 etc
IC7034	AK4384ET-X	AK4384ET-X	AK4384ET-X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC7036	OPEN	OPEN	OPEN	ADC081S021 CIS-X	ADC081S021 CIS-X	ADC081S021 CIS-X	ADC081S021 CIS-X	ADC081S021 CIS-X	ADC081S021 CIS-X
Q7030	RT1N441C-X	RT1N441C-X	RT1N441C-X	RT1N441C-X	OPEN	OPEN	OPEN	RT1N441C-X	RT1N441C-X
Q7035	RT1P441C-X	RT1P441C-X	OPEN	RT1P441C-X	RT1P441C-X	OPEN	OPEN	RT1P441C-X	RT1P441C-X
Q7036	RT1N441C-X	RT1N441C-X	RT1N441C-X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
Q7037	RT1N441C-X	RT1N441C-X	RT1N441C-X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
D7032	*4	*4	*4	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
K7031	NQR0470 -007X	NQR0470 -007X	NQR0470 -007X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R7030	0	0	0	OPEN	OPEN	OPEN	OPEN	0	0
R7035	0	0	0	OPEN	OPEN	OPEN	OPEN	0	0
R7036	OPEN	OPEN	OPEN	0	0	0	0	0	0
R7039	1k	1k	1k	1k	1k	1k	OPEN	1k	1k
R7040	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	0	OPEN	OPEN
R7041	OPEN	OPEN	OPEN	22k	22k	22k	22k	22k	22k
R7042	OPEN	OPEN	OPEN	33k	33k	33k	33k	OPEN	OPEN
R7070	0	0	0	0	0	OPEN	OPEN	0	0
R7071	0	0	0	0	0	OPEN	OPEN	0	0
R7072	OPEN	OPEN	OPEN	0	0	0	0	OPEN	OPEN
R7076	OPEN	470	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R7077	330	OPEN	470	470	1k	1k	1k	330	330
R7078	330	1k	1k	330	0	0	0	330	330
R7090	0	0	0	OPEN	OPEN	OPEN	OPEN	0	0
R7091	OPEN	OPEN	OPEN	0	0	0 0		0	0
R7108	0	0	0	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R7110	0	0	0	OPEN	OPEN	OPEN	OPEN	0	0
R7111	0	0	0	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R7114	0	0	0	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R7115	0	0	0	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R7116	0	0	0	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R7117	0	0	0	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R7118	0	0	0	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R7119	1k	1k	1k	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R7121	100	100	100	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R7127	OPEN	OPEN	OPEN	0	0	0 0	0		0
R7128	0	0	0	OPEN	OPEN	OPEN	OPEN	0	0
R7131	0	0	OPEN	0	0	OPEN	OPEN	0	0
R7175	OPEN	OPEN	OPEN	0	0	0	0	0	0
R7176	OPEN	OPEN	OPEN	0	0	0	0	0	0
R7177	OPEN	OPEN	OPEN	0	0	0	0	0	0
R7178	OPEN	OPEN	OPEN	0	0	0	0	0	0
R7179	OPEN	OPEN	OPEN	0	0	0	0	0	0
R7183	1k	1k	1k	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R7196	0	0	0	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R7197	0	0	0	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R7198	0	0	0	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
C7030	0.01/50	0.01/50	0.01/50	0.01/50	0.01/50	0.01/50	OPEN	0.01/50	0.01/50
C7031	0.01/50	0.01/50	0.01/50	0.01/50	0.01/50	0.01/50	OPEN	0.01/50	0.01/50
C7034	OPEN	OPEN	OPEN	0.015/16	0.015/16	0.015/16	0.015/16	OPEN	OPEN
C7047	10/10	10/10	10/10	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
C7048	0.1/16	0.1/16	0.1/16	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
C7049	10/10	10/10	10/10	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
C7050	0.1/16	0.1/16	0.1/16	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
C7073	OPEN	OPEN	OPEN	0.1/16	0.1/16	0.1/16	0.1/16	0.1/16	0.1/16



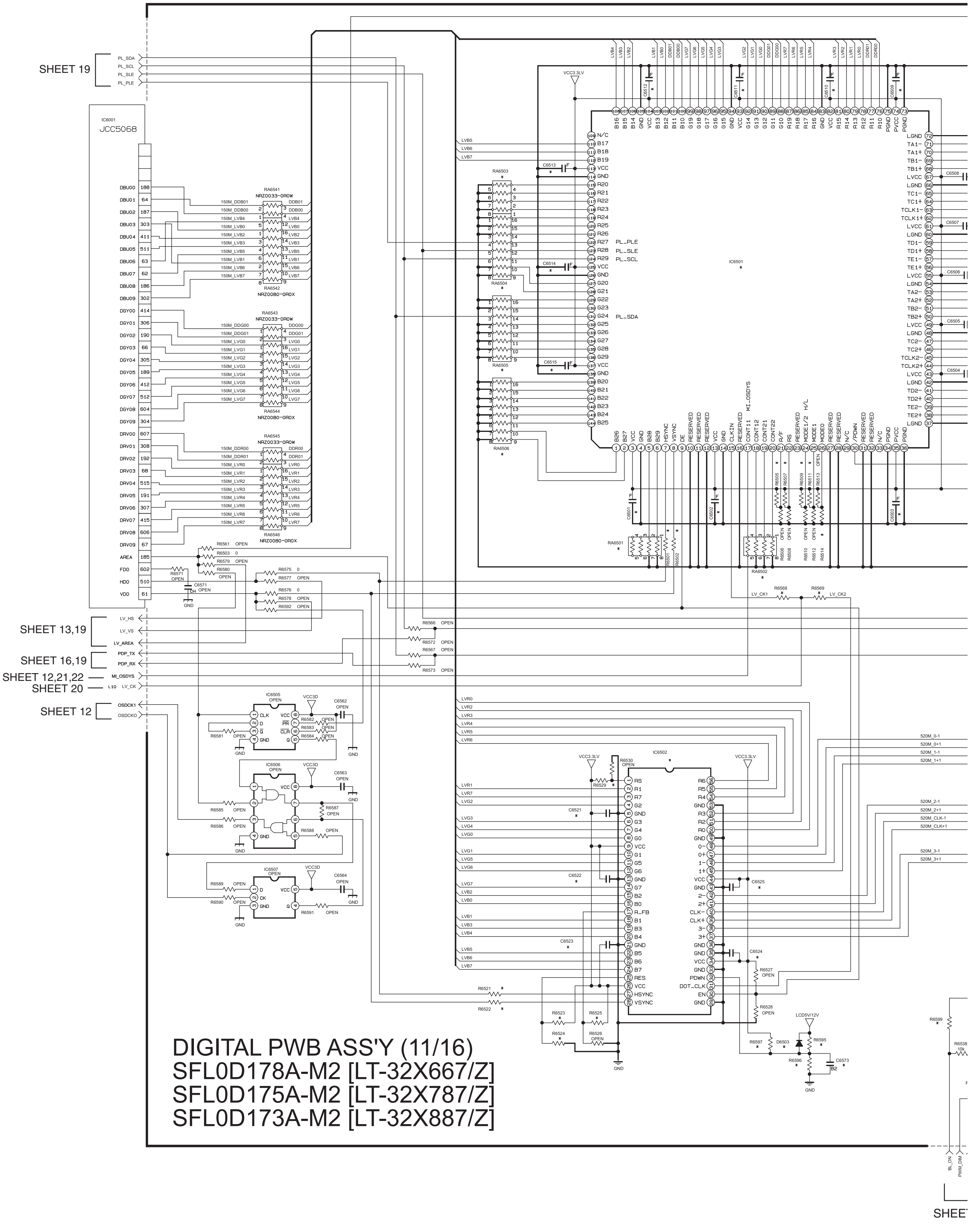
JCC5068
STB1.2V
IC6001
K7034
NRSA02J-0R0X
C7051 0.1/16
C7052 0.1/16
C7053 0.1/16
C7054 0.1/16
C7055 0.1/16
C7056 0.1/16
C7057 0.1/16
C7058 0.1/16
C7059 0.1/16
C7060 0.1/16
C7061 0.1/16
C7062 0.1/16
476
573
380
581
490
489
388
387
587
494
287
591
373
575
151
580
163
279
496
GND
STB3.3V
K7032
NRSA02J-0R0X
C7063 0.1/16
C7064 0.1/16
C7065 0.1/16
C7066 0.1/16
571
150
583
288
15
574
272
277
GND
STB1.2V
PLL
K7033
NRSA02J-0R0X
C7067 0.1/16
261
142
GND

NOTE.

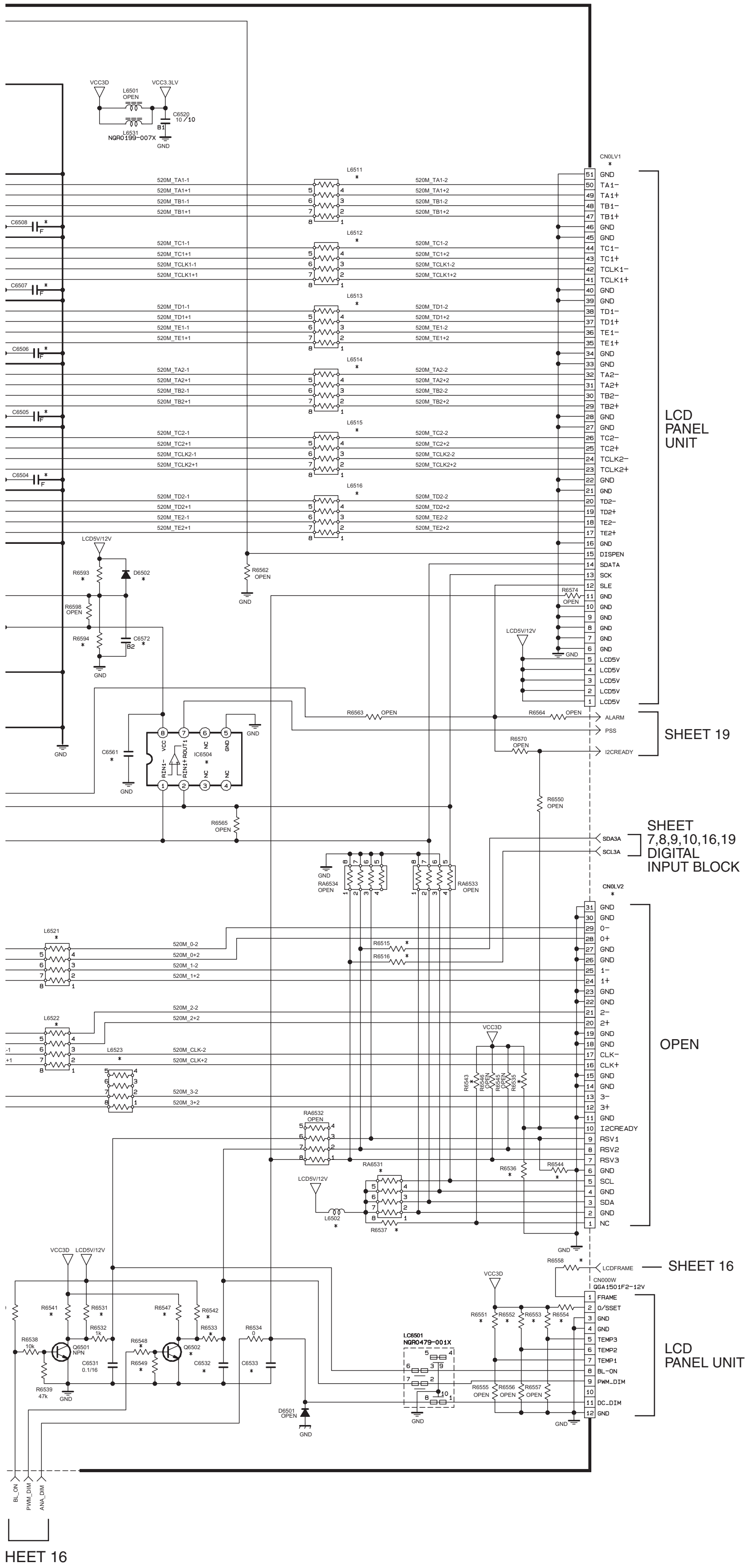
*1:NQR0498-001X
*2:NQR0489-002X
*4:MA111-X
*5:NQR0499-001X
RA0:NRZ0034-0R0W
PNP:2SA1530A/QR/-X
NPN:2SC3928A/QR/-X
L10:NQL79GM-100X
L22:NQL79GM-220X

c10463001a009_0425_9/17_0.0

DIGITAL PWB CIRCUIT DIAGRAM (11/16) SHEET 17


SHEET 19
PL_SDA
PL_SCL
PL_SLE
PL_PLE
IC6001
JCC5068
IC6501
IC6502
IC6505
IC6506
IC6507
RA6541
RA6542
RA6543
RA6544
RA6545
RA6546
RA6501
RA6502
RA6503
RA6504
RA6505
RA6506
VCC3.3LV
VCC3D
LCD5V/12V
SHEET 13,19
LV_HS
LV_VS
LV_AREA
SHEET 16,19
PDP_TX
PDP_RX
SHEET 12,21,22
MI_OSDYS
SHEET 20
LV_CK
SHEET 12
OSDCK1
OSDCK0
LV_CK1
LV_CK2
GND
BL_ON
PWM_DIM
SHEE

DIGITAL PWB ASS'Y (11/16)
SFL0D178A-M2 [LT-32X667/Z]
SFL0D175A-M2 [LT-32X787/Z]
SFL0D173A-M2 [LT-32X887/Z]


VCC3D
VCC3.3LV
L6501 OPEN
C6520 10/10
L6531 NQR0199-007X
GND
CN0LV1 *
L6511 *
L6512 *
L6513 *
L6514 *
L6515 *
L6516 *
520M_TA1-1
520M_TA1+1
520M_TB1-1
520M_TB1+1
520M_TC1-1
520M_TC1+1
520M_TCLK1-1
520M_TCLK1+1
520M_TD1-1
520M_TD1+1
520M_TE1-1
520M_TE1+1
520M_TA2-1
520M_TA2+1
520M_TB2-1
520M_TB2+1
520M_TC2-1
520M_TC2+1
520M_TCLK2-1
520M_TCLK2+1
520M_TD2-1
520M_TD2+1
520M_TE2-1
520M_TE2+1
C6508
C6507
C6506
C6505
C6504
51 GND
50 TA1−
49 TA1+
48 TB1−
47 TB1+
46 GND
45 GND
44 TC1−
43 TC1+
42 TCLK1−
41 TCLK1+
40 GND
39 GND
38 TD1−
37 TD1+
36 TE1−
35 TE1+
34 GND
33 GND
32 TA2−
31 TA2+
30 TB2−
29 TB2+
28 GND
27 GND
26 TC2−
25 TC2+
24 TCLK2−
23 TCLK2+
22 GND
21 GND
20 TD2−
19 TD2+
18 TE2−
17 TE2+
16 GND
15 DISPEN
14 SDATA
13 SCK
12 SLE
11 GND
10 GND
9 GND
8 GND
7 GND
6 GND
5 LCD5V
4 LCD5V
3 LCD5V
2 LCD5V
1 LCD5V
LCD PANEL UNIT
LCD5V/12V
R6593 *
D6502 *
R6598 OPEN
R6594 *
C6572 B2 *
R6562 OPEN
R6574 OPEN
R6563 OPEN
R6564 OPEN
R6570 OPEN
ALARM
PSS
I2CREADY
SHEET 19
C6561 *
IC6504 *
R6565 OPEN
R6550 OPEN
SDA3A
SCL3A
SHEET 7,8,9,10,16,19 DIGITAL INPUT BLOCK
RA6534 OPEN
RA6533 OPEN
CN0LV2 *
L6521 *
L6522 *
L6523 *
R6515 *
R6516 *
520M_0-2
520M_0+2
520M_1-2
520M_1+2
520M_2-2
520M_2+2
520M_CLK-2
520M_CLK+2
520M_3-2
520M_3+2
31 GND
30 GND
29 0−
28 0+
27 GND
26 GND
25 1−
24 1+
23 GND
22 GND
21 2−
20 2+
19 GND
18 GND
17 CLK−
16 CLK+
15 GND
14 GND
13 3−
12 3+
11 GND
10 I2CREADY
9 RSV1
8 RSV2
7 RSV3
6 GND
5 SCL
4 GND
3 SDA
2 GND
1 NC
OPEN
RA6532 OPEN
RA6531 *
R6543
R6536 *
R6544 *
L6502 *
R6537 *
R6558 *
LCDFRAME
SHEET 16
CN000W QGA1501F2-12V
1 FRAME
2 O/SSET
3 GND
4 GND
5 TEMP3
6 TEMP2
7 TEMP1
8 BL-ON
9 PWM_DIM
10
11 DC_DIM
12 GND
LCD PANEL UNIT
LC6501 NQR0479-001X
R6551 *
R6552 *
R6553 *
R6554 *
R6555 OPEN
R6556 OPEN
R6557 OPEN
VCC3D
LCD5V/12V
R6541 *
R6531 *
R6532 1k
R6538 10k
Q6501 NPN
C6531 0.1/16
R6539 47k
R6547 *
R6542 *
R6548 *
R6549 *
Q6502 *
R6533 *
C6532 *
R6534 0
C6533 *
D6501 OPEN
BL_ON
PWM_DIM
ANA_DIM
HEET 16

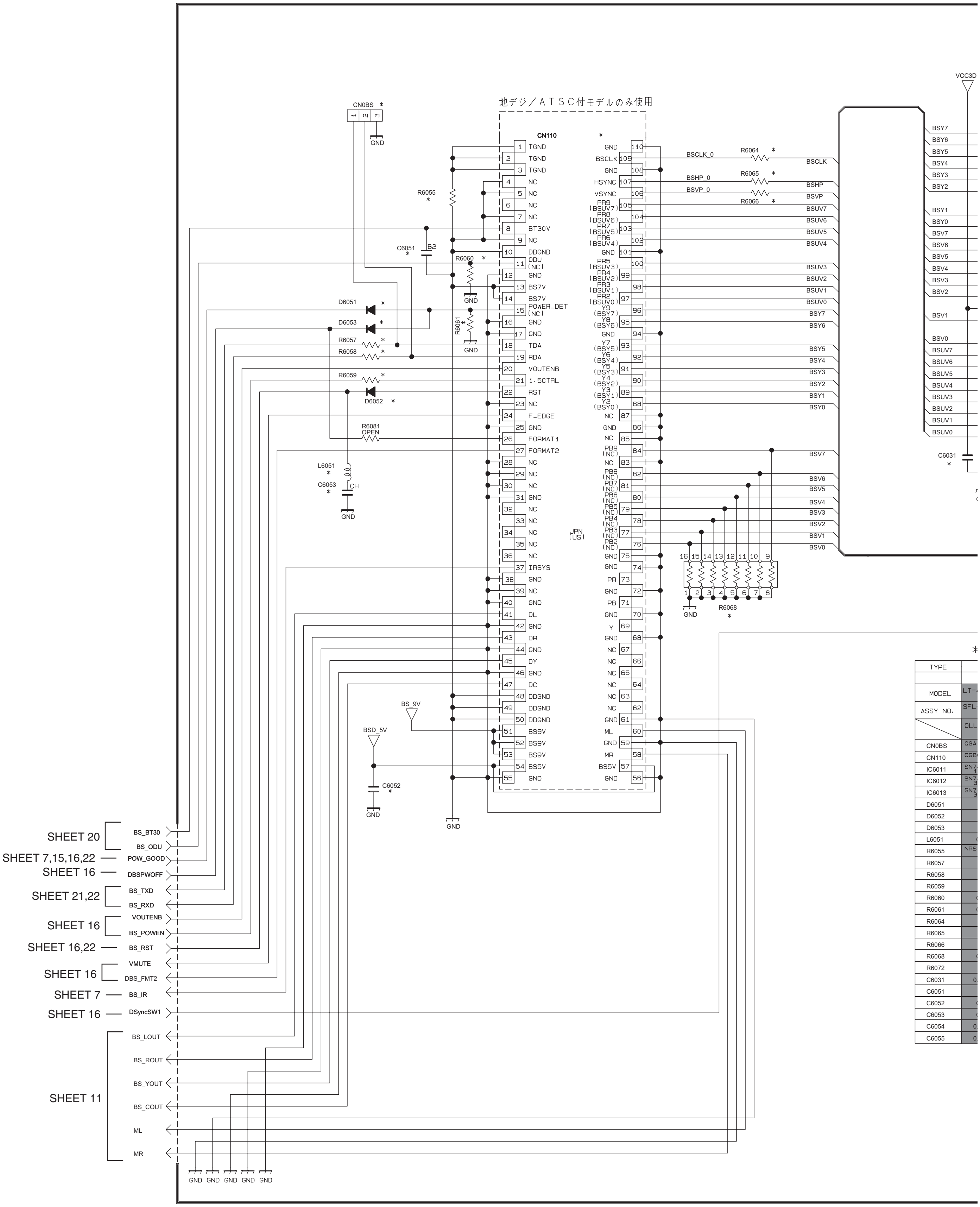
* DIFFERENCE LIST

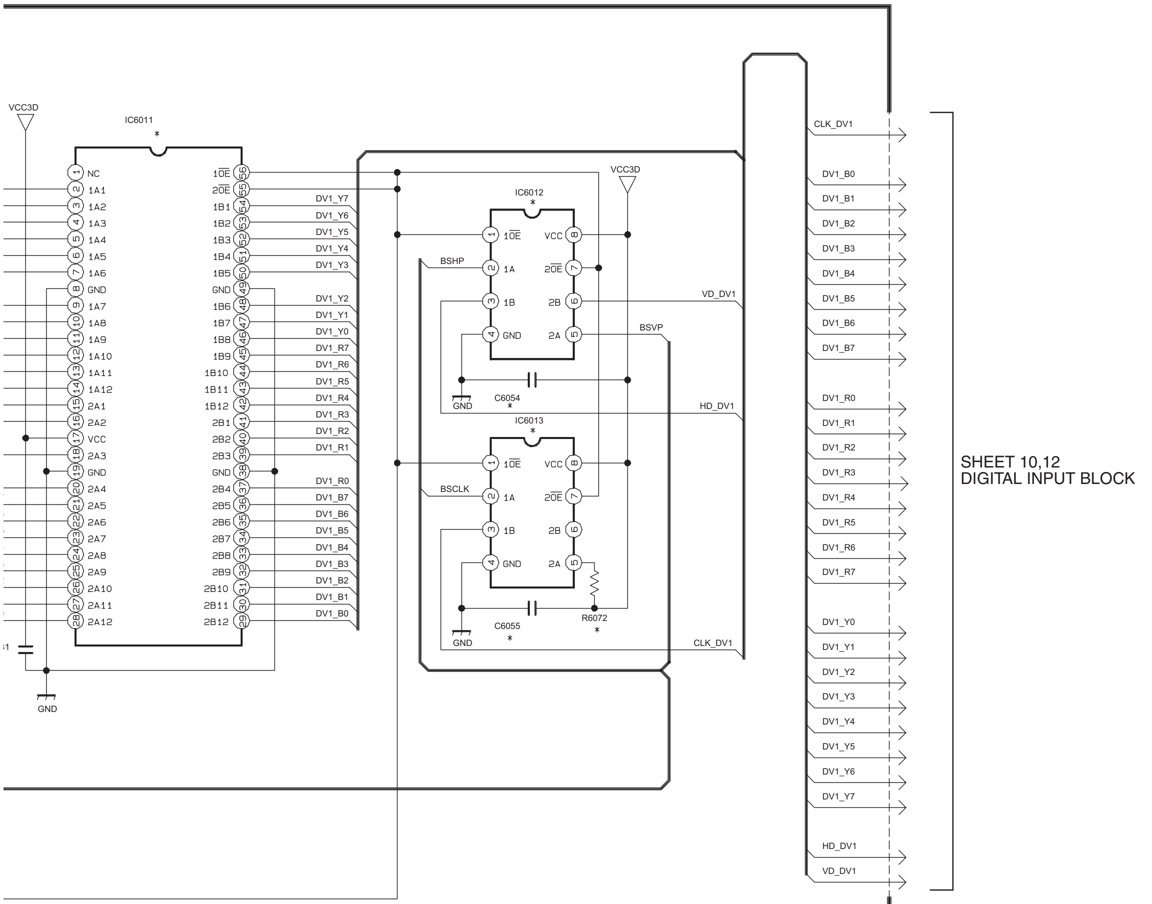
TYPE	LCD								
	JPN			US					
MODEL	LT-46LH800	LT-37LC85	LT-26LC80	LT-40X887 /X787	LT-37X887 /X787/X667	LT-32X887 X667/X787	LT-32XM57	LT-46FH97 /40FH97	LT-46FN97 /40FN97
ASSY NO.	SFL-0D071A	SFL-0D072A	SFL-0D074A	SFL-0D171A etc	SFL-0D172A etc	SFL-0D173A 175A,178A etc	SFL-0D180A	SFL-0D182A etc	SFL-0D184A etc
	0LLC10547	0LLC10547 -02	0LLC10547 -04	0LLC10547 -05 etc	0LLC10547 -06 etc	0LLC10547 -07 etc	0LLC10547 -14	0LLC10547 -16 etc	0LLC10547 -18 etc
CN0LV1	QGA0504F1 -51X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	QGA0504F1 -51X	QGA0504F1 -51X
CN0LV2	OPEN	QGA0504F1 -31X	QGA0504F1 -31X	QGA0504F1 -31X	QGA0504F1 -31X	QGA0504F1 -31X	QGA0504F1 -31X	OPEN	OPEN
IC6501	THC63LVD 1023	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	THC63LVD 1023	THC63LVD 1023
IC6502	OPEN	THC63LV DM83R-W	THC63LV DM83R-W	THC63LV DM83R-W	THC63LV DM83R-W	THC63LV DM83R-W	THC63LV DM83R-W	OPEN	OPEN
Q6502	OPEN	OPEN	OPEN	NPN	NPN	NPN	NPN	OPEN	OPEN
D6502	*4	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	*4	*4
D6503	OPEN	OPEN	*4	*4	*4	*4	*4	OPEN	OPEN
L6502	OPEN	NRSA02J -0R0X	NRSA02J -0R0X	NRSA02J -0R0X	NRSA02J -0R0X	NRSA02J -0R0X	NRSA02J -0R0X	OPEN	OPEN
L6511	RA0	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	RA0	RA0
L6512	RA0	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	RA0	RA0
L6513	RA0	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	RA0	RA0
L6514	RA0	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	RA0	RA0
L6515	RA0	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	RA0	RA0
L6516	RA0	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	RA0	RA0
L6521	OPEN	RA0	RA0	RA0	RA0	RA0	RA0	OPEN	OPEN
L6522	OPEN	RA0	RA0	RA0	RA0	RA0	RA0	OPEN	OPEN
L6523	OPEN	RA0	RA0	RA0	RA0	RA0	RA0	OPEN	OPEN
RA6501	RA0	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	RA0	RA0
RA6502	RA0	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	RA0	RA0
RA6503	RA0	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	RA0	RA0
RA6504	NRZ0080 -0R0X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	NRZ0080 -0R0X	NRZ0080 -0R0X
RA6505	NRZ0080 -0R0X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	NRZ0080 -0R0X	NRZ0080 -0R0X
RA6506	NRZ0080 -0R0X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	NRZ0080 -0R0X	NRZ0080 -0R0X
RA6531	OPEN	RA0	RA0	RA0	RA0	RA0	RA0	OPEN	OPEN
R6501	100	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	100	100
R6502	100	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	100	100
R6505	1K	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	1K	1K
R6507	1K	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	1K	1K
R6509	1K	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	1K	1K
R6511	1K	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	1K	1K
R6514	0	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	0	0
R6515	OPEN	0	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R6516	OPEN	0	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R6521	OPEN	100	100	100	100	100	100	OPEN	OPEN
R6522	OPEN	100	100	100	100	100	100	OPEN	OPEN
R6523	OPEN	1K	1K	1K	1K	1K	1K	OPEN	OPEN
R6524	OPEN	1K	1K	1K	1K	1K	1K	OPEN	OPEN
R6525	OPEN	0	0	0	0	0	0	OPEN	OPEN
R6529	OPEN	0	0	0	0	0	0	OPEN	OPEN
R6531	OPEN	1K	OPEN	1K	OPEN	OPEN	OPEN	OPEN	OPEN
R6533	OPEN	0	OPEN	0	0	0	0	OPEN	OPEN
R6535	OPEN	OPEN	1k	OPEN	1K	1K	1K	OPEN	OPEN
R6536	OPEN	0	OPEN	0	OPEN	OPEN	OPEN	OPEN	OPEN
R6537	OPEN	OPEN	0	0	0	0	0	OPEN	OPEN
R6541	1k	OPEN	1k	OPEN	1k	1k	1k	1k	1k
R6542	OPEN	0	OPEN	1k	OPEN	OPEN	OPEN	OPEN	OPEN
R6543	OPEN	0	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R6544	OPEN	0	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R6547	OPEN	OPEN	OPEN	OPEN	1k	1k	1k	OPEN	OPEN
R6548	OPEN	OPEN	OPEN	1k	10k	10k	10k	OPEN	OPEN
R6549	OPEN	OPEN	OPEN	OPEN	10k	10k	10k	OPEN	OPEN
R6551	1K	1K	OPEN	OPEN	OPEN	OPEN	OPEN	1K	1K
R6552	1K	1K	OPEN	OPEN	OPEN	OPEN	OPEN	1K	1K
R6553	1K	1K	OPEN	OPEN	OPEN	OPEN	OPEN	1K	1K
R6554	0	0	OPEN	OPEN	OPEN	OPEN	OPEN	0	0
R6558	1K	1K	OPEN	OPEN	OPEN	OPEN	OPEN	1K	1K
R6568	0	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	0	0
R6569	OPEN	0	0	0	0	0	0	OPEN	OPEN
R6593	18k	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	18k	18k
R6594	33k	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	33k	33k
R6595	OPEN	OPEN	18k	18k	47k	47k	47k	OPEN	OPEN
R6596	OPEN	OPEN	33k	33k	15k	15k	15k	OPEN	OPEN
R6597	OPEN	0	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R6599	10k	10k	82k	10k	82k	82k	82k	10k	10k
C6501	0.1/16	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	0.1/16	0.1/16
C6502	0.1/16	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	0.1/16	0.1/16
C6503	0.1/16	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	0.1/16	0.1/16
C6504	0.1/16	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	0.1/16	0.1/16
C6505	0.1/16	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	0.1/16	0.1/16
C6506	0.1/16	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	0.1/16	0.1/16
C6507	0.1/16	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	0.1/16	0.1/16
C6508	0.1/16	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	0.1/16	0.1/16
C6509	0.1/16	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	0.1/16	0.1/16
C6510	0.1/16	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	0.1/16	0.1/16
C6511	0.1/16	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	0.1/16	0.1/16
C6512	0.1/16	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	0.1/16	0.1/16
C6513	0.1/16	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	0.1/16	0.1/16
C6514	0.1/16	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	0.1/16	0.1/16
C6515	0.1/16	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	0.1/16	0.1/16
C6521	OPEN	0.1/16	0.1/16	0.1/16	0.1/16	0.1/16	0.1/16	OPEN	OPEN
C6522	OPEN	0.1/16	0.1/16	0.1/16	0.1/16	0.1/16	0.1/16	OPEN	OPEN
C6523	OPEN	0.1/16	0.1/16	0.1/16	0.1/16	0.1/16	0.1/16	OPEN	OPEN
C6524	OPEN	0.1/16	0.1/16	0.1/16	0.1/16	0.1/16	0.1/16	OPEN	OPEN
C6525	OPEN	0.1/16	0.1/16	0.1/16	0.1/16	0.1/16	0.1/16	OPEN	OPEN
C6532	OPEN	0.1/16	OPEN	0.1/16	0.1/16	0.1/16	0.1/16	OPEN	OPEN
C6533	0.1/16	0.1/16	0.1/16	OPEN	NRSA63J -102X	NRSA63J -102X	NRSA63J -102X	0.1/16	0.1/16
C6572	1/16	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	1/16	1/16
C6573	OPEN	OPEN	1 /16	1/16	1/16	1/16	1/16	OPEN	OPEN

NOTE.
*1:NQR0498-001X
*2:NQR0489-002X
*4:MA111-X
*5:NQR0499-001X
RA0:NRZ0034-0R0W
PNP:2SA1530A/QR/-X
NPN:2SC3928A/QR/-X
L10:NQL79GM-100X
L22:NQL79GM-220X

c10463001a004_0425_4/17_0.0

DIGITAL PWB CIRCUIT DIAGRAM (12/16) SHEET 18


地デジ／ＡＴＳＣ付モデルのみ使用
CN0BS *
CN110 *
VCC3D
1 TGND
2 TGND
3 TGND
4 NC
5 NC
6 NC
7 NC
8 BT30V
9 NC
10 DDGND
11 ODU (NC)
12 GND
13 BS7V
14 BS7V
15 POWER_DET (NC)
16 GND
17 GND
18 TDA
19 RDA
20 VOUTENB
21 1.5CTRL
22 RST
23 NC
24 F_EDGE
25 GND
26 FORMAT1
27 FORMAT2
28 NC
29 NC
30 NC
31 GND
32 NC
33 NC
34 NC
35 NC
36 NC
37 IRSYS
38 GND
39 NC
40 GND
41 DL
42 GND
43 DR
44 GND
45 DY
46 GND
47 DC
48 DDGND
49 DDGND
50 DDGND
51 BS9V
52 BS9V
53 BS9V
54 BS5V
55 GND
110 GND
109 BSCLK
108 GND
107 HSYNC
106 VSYNC
105 PR9 (BSUV7)
104 PR8 (BSUV6)
103 PR7 (BSUV5)
102 PR6 (BSUV4)
101 GND
100 PR5 (BSUV3)
99 PR4 (BSUV2)
98 PR3 (BSUV1)
97 PR2 (BSUV0)
96 Y9 (BSY7)
95 Y8 (BSY6)
94 GND
93 Y7 (BSY5)
92 Y6 (BSY4)
91 Y5 (BSY3)
90 Y4 (BSY2)
89 Y3 (BSY1)
88 Y2 (BSY0)
87 NC
86 GND
85 NC
84 PB9 (NC)
83 NC
82 PB8 (NC)
81 PB7 (NC)
80 PB6 (NC)
79 PB5 (NC)
78 PB4 (NC)
77 PB3 (NC)
76 PB2 (NC)
75 GND
74 GND
73 PR
72 GND
71 PB
70 GND
69 Y
68 GND
67 NC
66 NC
65 NC
64 NC
63 NC
62 NC
61 GND
60 ML
59 GND
58 MR
57 BS5V
56 GND
JPN (US)
R6055 *
C6051 * B2
R6060 *
R6061 *
D6051 *
D6053 *
R6057 *
R6058 *
R6059 *
D6052 *
R6081 OPEN
L6051 *
C6053 * CH
BS_9V
BSD_5V
C6052 *
BSCLK_0
BSHP_0
BSVP_0
R6064 *
R6065 *
R6066 *
R6068 *
C6031 *
BSCLK
BSHP
BSVP
BSUV7
BSUV6
BSUV5
BSUV4
BSUV3
BSUV2
BSUV1
BSUV0
BSY7
BSY6
BSY5
BSY4
BSY3
BSY2
BSY1
BSY0
BSV7
BSV6
BSV5
BSV4
BSV3
BSV2
BSV1
BSV0
GND
SHEET 20
BS_BT30
BS_ODU
SHEET 7,15,16,22
POW_GOOD
SHEET 16
DBSPWOFF
SHEET 21,22
BS_TXD
BS_RXD
SHEET 16
VOUTENB
BS_POWEN
SHEET 16,22
BS_RST
SHEET 16
VMUTE
DBS_FMT2
SHEET 7
BS_IR
SHEET 16
DSyncSW1
SHEET 11
BS_LOUT
BS_ROUT
BS_YOUT
BS_COUT
ML
MR
*
TYPE
MODEL
ASSY NO.
CN0BS
CN110
IC6011
IC6012
IC6013
D6051
D6052
D6053
L6051
R6055
R6057
R6058
R6059
R6060
R6061
R6064
R6065
R6066
R6068
R6072
C6031
C6051
C6052
C6053
C6054
C6055


VCC3D
IC6011
NC
1A1
1A2
1A3
1A4
1A5
1A6
GND
1A7
1A8
1A9
1A10
1A11
1A12
2A1
2A2
VCC
2A3
GND
2A4
2A5
2A6
2A7
2A8
2A9
2A10
2A11
2A12
1OE
2OE
1B1
1B2
1B3
1B4
1B5
GND
1B6
1B7
1B8
1B9
1B10
1B11
1B12
2B1
2B2
2B3
GND
2B4
2B5
2B6
2B7
2B8
2B9
2B10
2B11
2B12
GND
DV1_Y7
DV1_Y6
DV1_Y5
DV1_Y4
DV1_Y3
DV1_Y2
DV1_Y1
DV1_Y0
DV1_R7
DV1_R6
DV1_R5
DV1_R4
DV1_R3
DV1_R2
DV1_R1
DV1_R0
DV1_B7
DV1_B6
DV1_B5
DV1_B4
DV1_B3
DV1_B2
DV1_B1
DV1_B0
IC6012
BSHP
1OE
1A
1B
GND
VCC
2OE
2B
2A
VD_DV1
BSVP
C6054
GND
HD_DV1
IC6013
BSCLK
C6055
R6072
CLK_DV1
CLK_DV1
DV1_B0
DV1_B1
DV1_B2
DV1_B3
DV1_B4
DV1_B5
DV1_B6
DV1_B7
DV1_R0
DV1_R1
DV1_R2
DV1_R3
DV1_R4
DV1_R5
DV1_R6
DV1_R7
DV1_Y0
DV1_Y1
DV1_Y2
DV1_Y3
DV1_Y4
DV1_Y5
DV1_Y6
DV1_Y7
HD_DV1
VD_DV1
SHEET 10,12
DIGITAL INPUT BLOCK

* DIFFERENCE LIST

LCD								
JPN			US					
LT-46LH800	LT-37LC85	LT-26LC80	LT-40X887 /X787	LT-37X887 /X787/X667	LT-32X887 X667/X787	LT-32XM57	LT-46FH97 /40FH97	LT-46FN97 /40FN97
SFL-0D071A	SFL-0D072A	SFL-0D074A	SFL-0D171A etc	SFL-0D172A etc	SFL-0D173A 175A,178Aetc	SFL-0D180A	SFL-0D182A etc	SFL-0D184A etc
0LLC10547	0LLC10547 -02	0LLC10547 -04	0LLC10547 -05 etc	0LLC10547 -06 etc	0LLC10547 -07 etc	0LLC10547 -14	0LLC10547 -16 etc	0LLC10547 -18 etc
QGA1501C5 -03W	QGA1501C5 -03W	QGA1501C5 -03W	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
QGB0603L1 -B0	QGB0603L1 -B0	QGB0603L1 -B0	OPEN	OPEN	OPEN	OPEN	QGB0603L1 -B0	QGB0603L1 -B0
SN74CBQ 16211G-X	SN74CBQ 16211G-X	SN74CBQ 16211G-X	OPEN	OPEN	OPEN	OPEN	SN74CBQ 16211G-X	SN74CBQ 16211G-X
SN74CBQ 3306AU-X	SN74CBQ 3306AU-X	SN74CBQ 3306AU-X	OPEN	OPEN	OPEN	OPEN	SN74CBQ 3306AU-X	SN74CBQ 3306AU-X
SN74CBQ 3306AU-X	SN74CBQ 3306AU-X	SN74CBQ 3306AU-X	OPEN	OPEN	OPEN	OPEN	SN74CBQ 3306AU-X	SN74CBQ 3306AU-X
*4	*4	*4	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
*4	*4	*4	OPEN	OPEN	OPEN	OPEN	*4	*4
*4	*4	*4	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	NRSA02J -0R0X	NRSA02J -0R0X
NRS181J -0R0X	NRS181J -0R0X	NRS181J -0R0X	OPEN	OPEN	OPEN	OPEN	NRS181J -0R0X	NRS181J -0R0X
22	22	22	OPEN	OPEN	OPEN	OPEN	22	22
22	22	22	OPEN	OPEN	OPEN	OPEN	22	22
0	0	0	OPEN	OPEN	OPEN	OPEN	100	100
OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	0	0
OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	0	0
22	22	22	OPEN	OPEN	OPEN	OPEN	22	22
22	22	22	OPEN	OPEN	OPEN	OPEN	22	22
22	22	22	OPEN	OPEN	OPEN	OPEN	22	22
OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	NRZ0080 -0R0X	NRZ0080 -0R0X
0	0	0	OPEN	OPEN	OPEN	OPEN	0	0
0.1/16	0.1/16	0.1/16	OPEN	OPEN	OPEN	OPEN	0.1/16	0.1/16
0.1	0.1	0.1	OPEN	OPEN	OPEN	OPEN	0.1	0.1
OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	NCJ41CK -226X-U	NCJ41CK -226X-U
OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	10p	10p
0.1/16	0.1/16	0.1/16	OPEN	OPEN	OPEN	OPEN	0.1/16	0.1/16
0.1/16	0.1/16	0.1/16	OPEN	OPEN	OPEN	OPEN	0.1/16	0.1/16

NOTE.

*1:NQR0498-001X
*2:NQR0489-002X
*4:MA111-X
*5:NQR0499-001X
RA0:NRZ0034-0R0W
PNP:2SA1530A/QR/-X
NPN:2SC3928A/QR/-X
L10:NQL79GM-100X
L22:NQL79GM-220X

DIGITAL PWB ASS'Y (12/16)
SFL0D178A-M2 [LT-32X667/Z]
SFL0D175A-M2 [LT-32X787/Z]
SFL0D173A-M2 [LT-32X887/Z]

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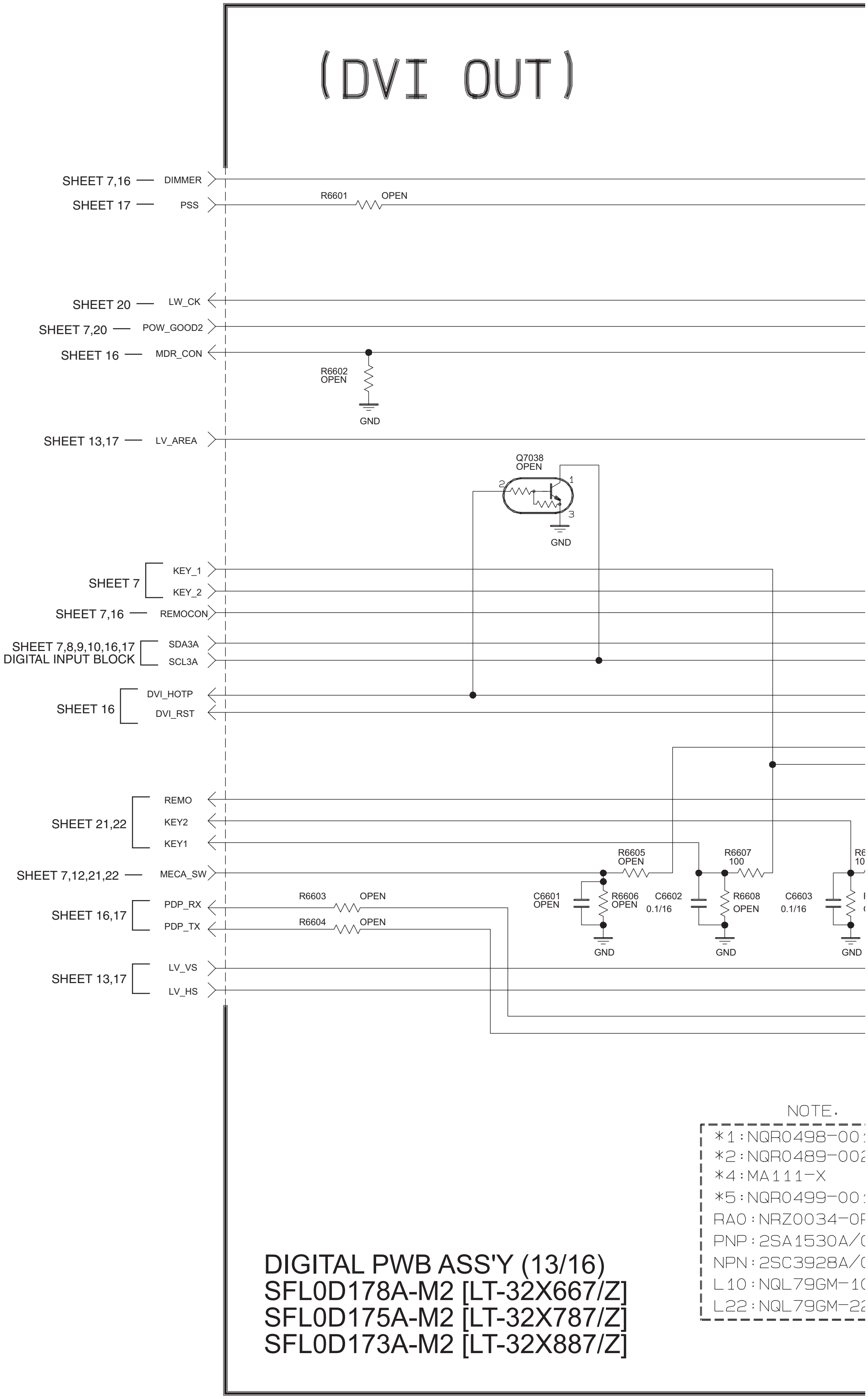
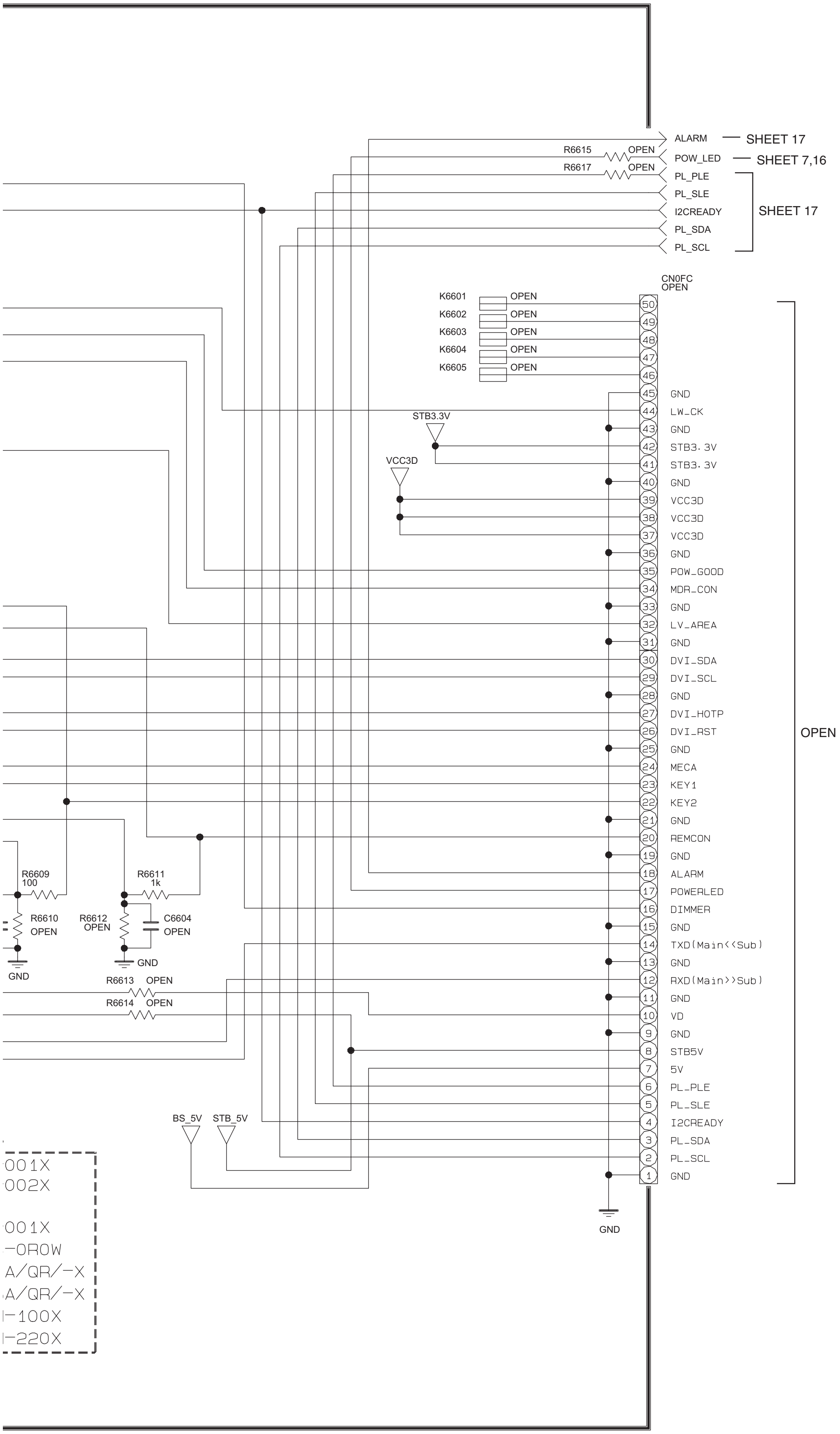

(DVI OUT)
SHEET 7,16
DIMMER
SHEET 17
PSS
R6601
OPEN
SHEET 20
LW_CK
SHEET 7,20
POW_GOOD2
SHEET 16
MDR_CON
R6602
OPEN
GND
SHEET 13,17
LV_AREA
Q7038
OPEN
2
1
3
GND
SHEET 7
KEY_1
KEY_2
SHEET 7,16
REMOCON
SHEET 7,8,9,10,16,17
DIGITAL INPUT BLOCK
SDA3A
SCL3A
SHEET 16
DVI_HOTP
DVI_RST
SHEET 21,22
REMO
KEY2
KEY1
SHEET 7,12,21,22
MECA_SW
R6605
OPEN
R6607
100
SHEET 16,17
PDP_RX
PDP_TX
R6603
OPEN
R6604
OPEN
C6601
OPEN
R6606
OPEN
C6602
0.1/16
R6608
OPEN
C6603
0.1/16
GND
GND
GND
SHEET 13,17
LV_VS
LV_HS
NOTE.
*1:NQR0498-00
*2:NQR0489-00
*4:MA111-X
*5:NQR0499-00
RA0:NRZ0034-0
PNP:2SA1530A/
NPN:2SC3928A/
L10:NQL79GM-1
L22:NQL79GM-2

DIGITAL PWB ASS'Y (13/16)
SFL0D178A-M2 [LT-32X667/Z]
SFL0D175A-M2 [LT-32X787/Z]
SFL0D173A-M2 [LT-32X887/Z]


ALARM
SHEET 17
R6615
OPEN
POW_LED
SHEET 7,16
R6617
OPEN
PL_PLE
PL_SLE
I2CREADY
SHEET 17
PL_SDA
PL_SCL
CN0FC
OPEN
K6601
OPEN
K6602
OPEN
K6603
OPEN
K6604
OPEN
K6605
OPEN
50
49
48
47
46
45 GND
44 LW_CK
STB3.3V
43 GND
42 STB3.3V
41 STB3.3V
VCC3D
40 GND
39 VCC3D
38 VCC3D
37 VCC3D
36 GND
35 POW_GOOD
34 MDR_CON
33 GND
32 LV_AREA
31 GND
30 DVI_SDA
29 DVI_SCL
28 GND
27 DVI_HOTP
26 DVI_RST
25 GND
24 MECA
23 KEY1
22 KEY2
21 GND
20 REMCON
19 GND
18 ALARM
17 POWERLED
16 DIMMER
15 GND
14 TXD(Main<<Sub)
13 GND
12 RXD(Main>>Sub)
11 GND
10 VD
9 GND
8 STB5V
7 5V
6 PL_PLE
5 PL_SLE
4 I2CREADY
3 PL_SDA
2 PL_SCL
1 GND
OPEN
R6609
100
R6610
OPEN
GND
R6611
1k
R6612
OPEN
C6604
OPEN
GND
R6613
OPEN
R6614
OPEN
BS_5V
STB_5V
GND
001X
002X
001X
-0R0W
A/QR/-X
A/QR/-X
-100X
-220X

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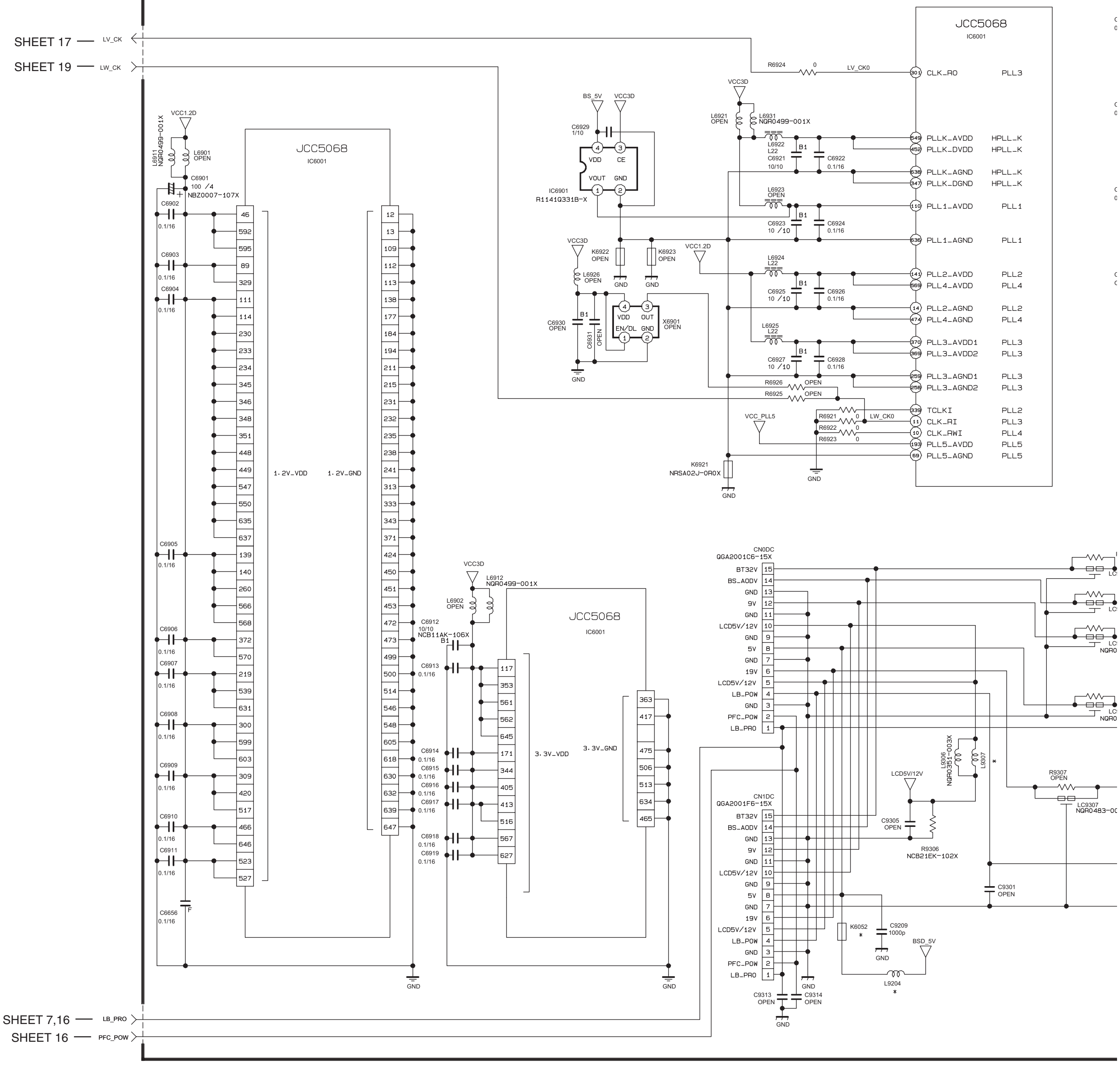
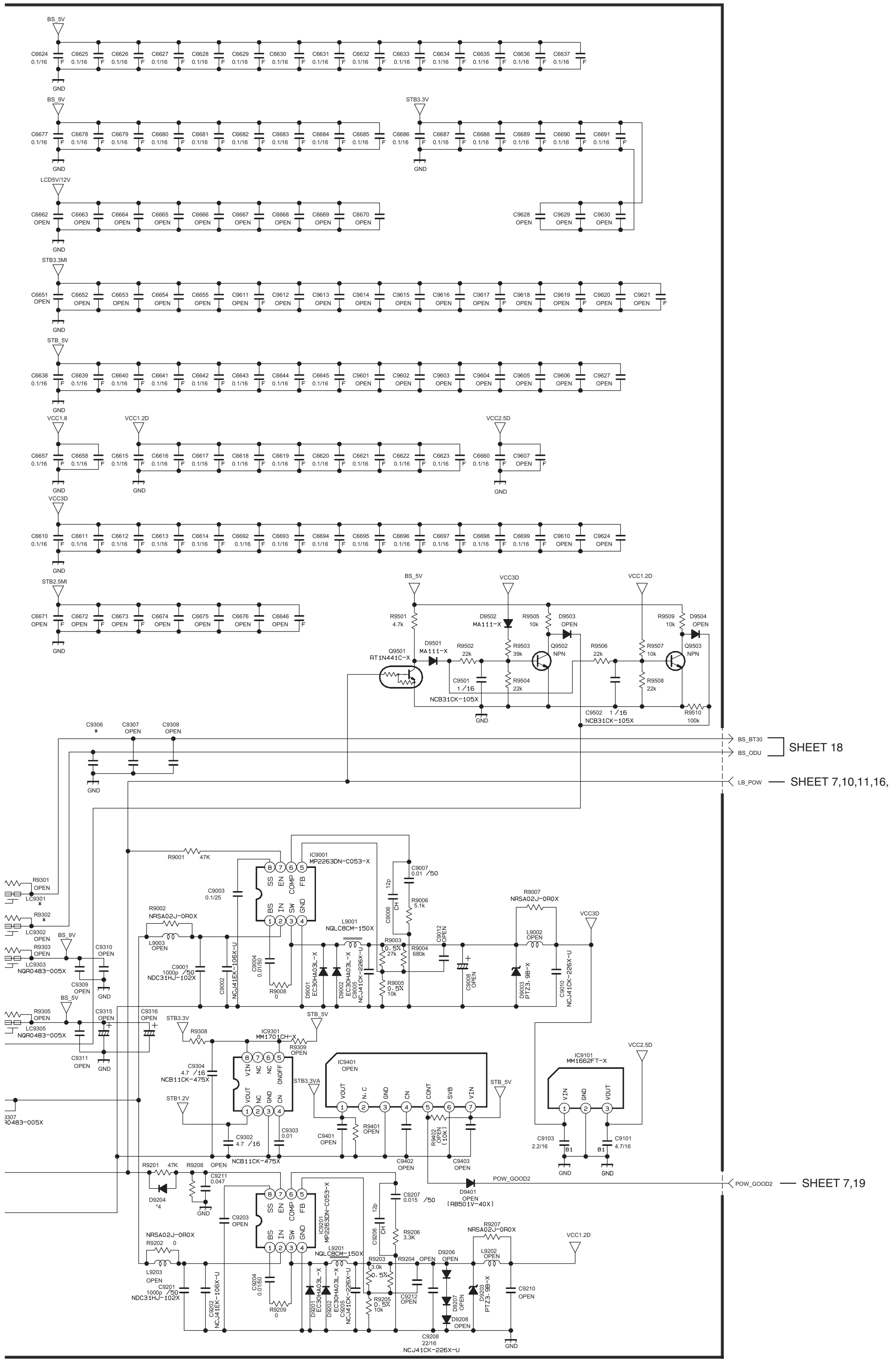
DIGITAL PWB ASS'Y (14/16)
SFL0D178A-M2 [LT-32X667/Z]
SFL0D175A-M2 [LT-32X787/Z]
SFL0D173A-M2 [LT-32X887/Z]

* DIFFERENCE LIST

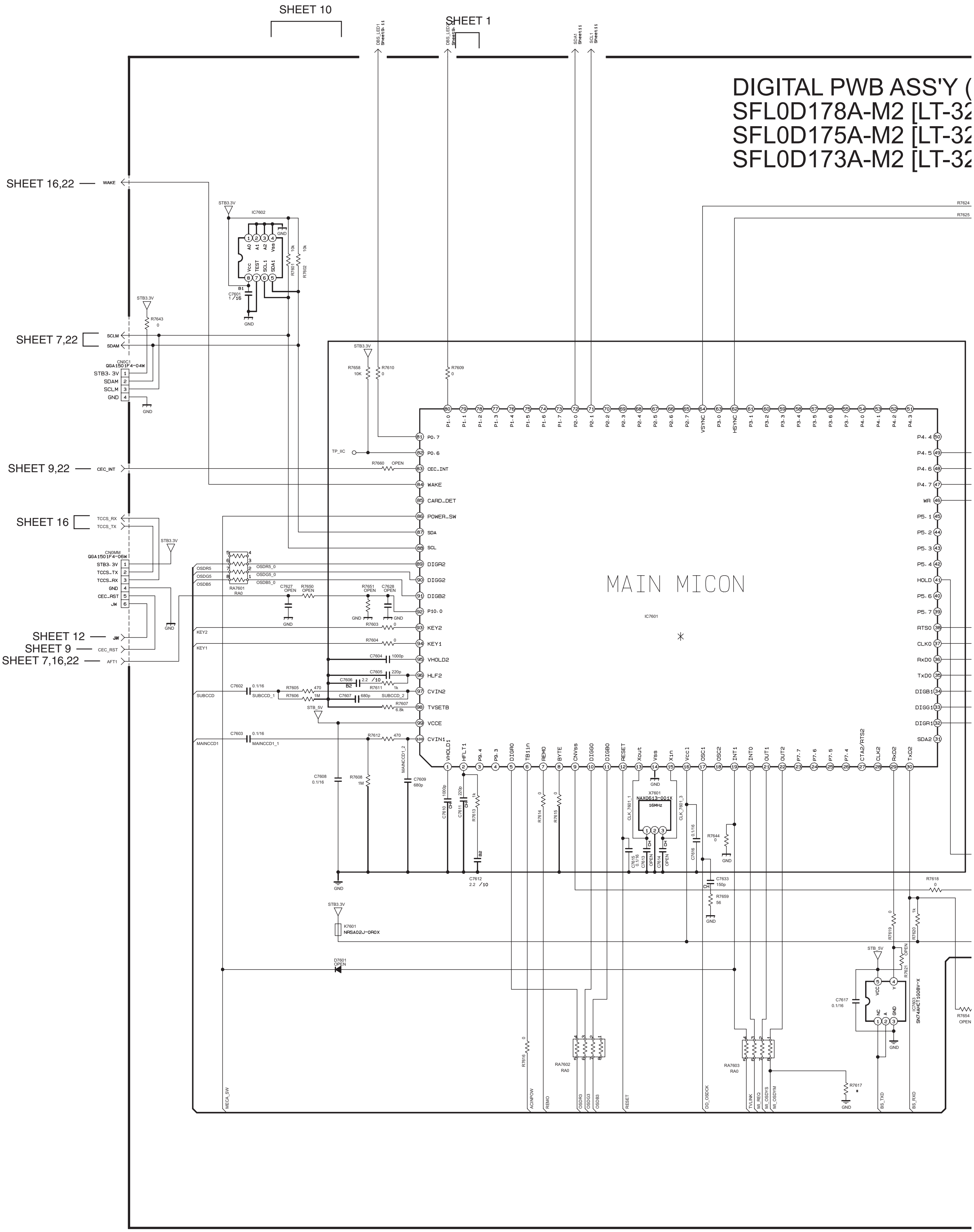
TYPE	LCD								
	JPN			US					
MODEL	LT-46LH800	LT-37LC85	LT-26LC80	LT-40X887 /X787	LT-37X887 /X787/X667	LT-32X887 X667/X787	LT-32XM57	LT-46FH97 /40FH97	LT-46FN97 /40FN97
ASSY NO.	SFL-0D071A	SFL-0D072A	SFL-0D074A	SFL-0D171A etc	SFL-0D172A etc	SFL-0D173A 175A,178A etc	SFL-0D180A	SFL-0D182A etc	SFL-0D184A etc
	0LLC10547	0LLC10547 -02	0LLC10547 -04	0LLC10547 -05 etc	0LLC10547 -06 etc	0LLC10547 -07 etc	0LLC10547 -14	0LLC10547 -16 etc	0LLC10547 -18 etc
K6052	*2	*2	*2	OPEN	OPEN	OPEN	OPEN	*2	*2
L9204	NQR0562 -014X	NQR0562 -014X	NQR0562 -014X	OPEN	OPEN	OPEN	OPEN	NQR0562 -014X	NQR0562 -014X
L9307	NQR0351 -003X	OPEN	OPEN	NQR0351 -003X	OPEN	OPEN	OPEN	NQR0351 -003X	NQR0351 -003X
LC9301	NQR0470 -003X	NQR0470 -003X	NQR0470 -003X	OPEN	OPEN	OPEN	OPEN	NQR0470 -003X	NQR0470 -003X
R9302	NRSA02J -0R0X	NRSA02J -0R0X	NRSA02J -0R0X	OPEN	OPEN	OPEN	OPEN	NRSA02J -0R0X	NRSA02J -0R0X
C9306	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	NRSA63J -0R0X	NRSA63J -0R0X


SHEET 17
LV_CK
SHEET 19
LW_CK
JCC5068
IC6001
CLK_RO
PLL3
PLLK_AVDD
PLLK_DVDD
PLLK_AGND
PLLK_DGND
HPLL_K
PLL1_AVDD
PLL1_AGND
PLL1
PLL2_AVDD
PLL4_AVDD
PLL2_AGND
PLL4_AGND
PLL2
PLL4
PLL3_AVDD1
PLL3_AVDD2
PLL3_AGND1
PLL3_AGND2
TCLKI
CLK_RI
CLK_RWI
PLL5_AVDD
PLL5_AGND
PLL5
R6924
LV_CK0
LW_CK0
VCC3D
BS_5V
VCC1.2D
VCC_PLL5
IC6901
R1141Q331B-X
X6901
OPEN
L6931
NQR0499-001X
K6921
NRSA02J-0R0X
L6911
NQR0499-001X
C6901
100 /4
NBZ0007-107X
1.2V_VDD
1.2V_GND
L6912
NQR0499-001X
C6912
10/10
NCB11AK-106X
3.3V_VDD
3.3V_GND
CN0DC
QGA2001C6-15X
CN1DC
QGA2001F6-15X
BT32V
BS_ADDV
GND
9V
LCD5V/12V
5V
19V
LB_POW
PFC_POW
LB_PRO
L9306
NQR0351-003X
L9307
R9306
NCB21EK-102X
C9305
C9301
R9307
LC9307
NQR0483-0
K6052
C9209
1000p
BSD_5V
L9204
C9313
C9314
SHEET 7,16
SHEET 16


BS_5V
BS_9V
STB3.3V
LCD5V/12V
STB3.3MI
STB_5V
VCC1.8
VCC1.2D
VCC2.5D
VCC3D
STB2.5MI
GND
Q9501 RT1N441C-X
D9501 MA111-X
D9502 MA111-X
Q9502 NPN
Q9503 NPN
D9503 OPEN
D9504 OPEN
C9501 1/16 NCB31CK-105X
C9502 1/16 NCB31CK-105X
BS_BT30
BS_ODU
SHEET 18
LB_POW
SHEET 7,10,11,16,
IC9001 MP2263DN-C053-X
L9001 NQLC8CM-150X
L9002 OPEN
R9007 NRSA02J-0R0X
R9002 NRSA02J-0R0X
D9003 PTZ3.9B-X
IC9301 MM1701CH-X
IC9401 OPEN
IC9101 MM1662FT-X
IC9201 MP2263DN-C053-X
L9201 NQLC8CM-150X
R9207 NRSA02J-0R0X
D9203 PTZ3.9B-X
D9401 OPEN (RB501V-40X)
POW_GOOD2
SHEET 7,19
LC9303 NQR0483-005X
LC9305 NQR0483-005X
C9208 22/16 NCJ41CK-226X-U

NOTE.
*1:NQR0498-001X
*2:NQR0489-002X
*4:MA111-X
*5:NQR0499-001X
RA0:NRZ0034-0R0W
PNP:2SA1530A/QR/-X
NPN:2SC3928A/QR/-X
L10:NQL79GM-100X
L22:NQL79GM-220X

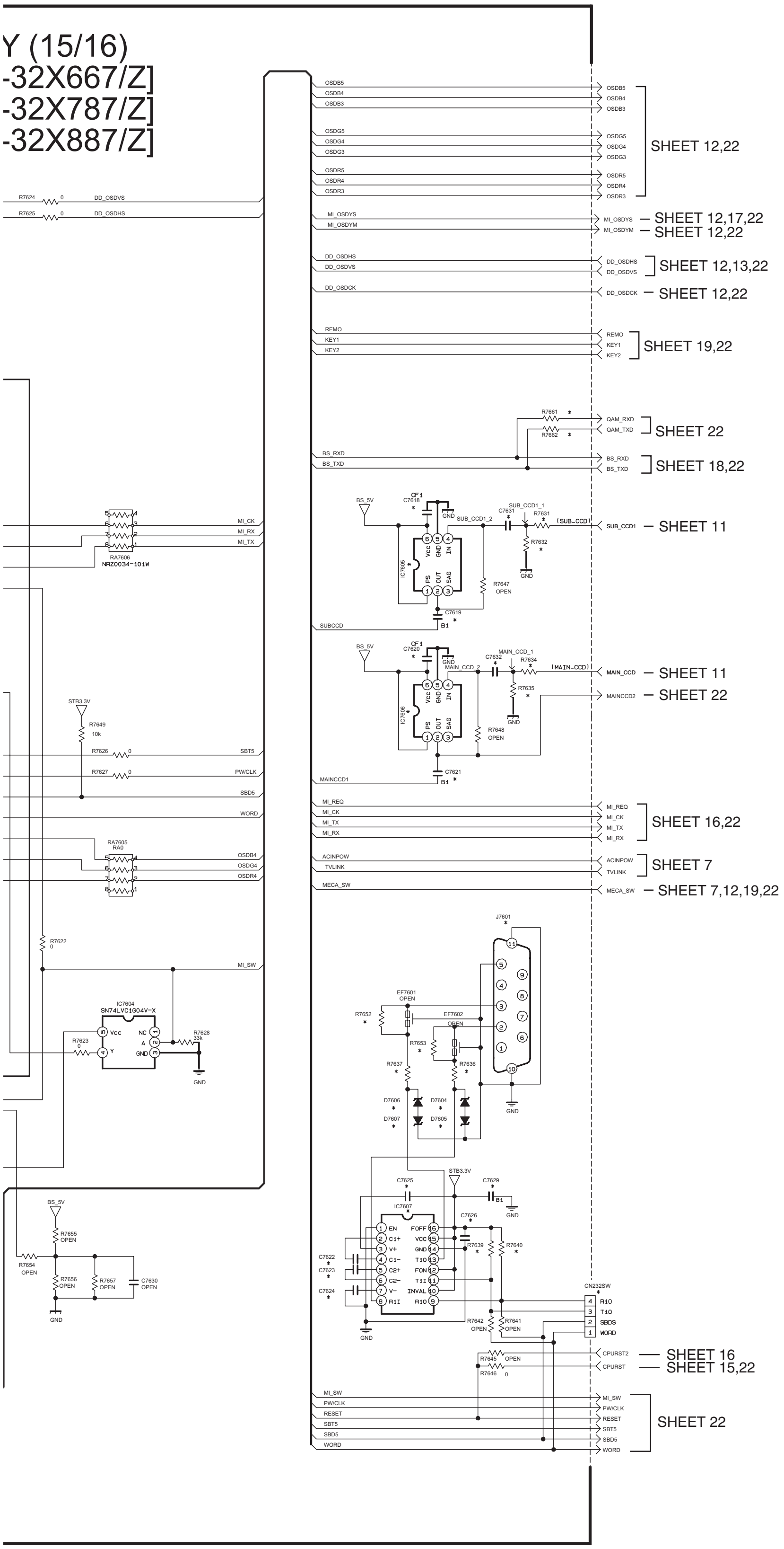
DIGITAL PWB CIRCUIT DIAGRAM (15/16) SHEET 21



SHEET 10
SHEET 1
DBS_LED1 Sheet9,11
DBS_LED Sheet9,
SDA1 Sheet11
SCL1 Sheet11
DIGITAL PWB ASS'Y (
SFL0D178A-M2 [LT-32
SFL0D175A-M2 [LT-32
SFL0D173A-M2 [LT-32
SHEET 16,22
WAKE
STB3.3V
IC7602
A0
A1
A2
Vss
Vcc
TEST
SCL1
SDA1
R7601 10k
R7602 10k
C7601 1/16
B1
GND
R7643 0
SHEET 7,22
SCLM
SDAM
CN0C1 QGA1501F4-04W
STB3.3V
SDAM
SCLM
GND
SHEET 9,22
CEC_INT
SHEET 16
TCCS_RX
TCCS_TX
CN0MM QGA1501F4-06W
STB3.3V
TCCS_TX
TCCS_RX
GND
CEC_RST
JW
SHEET 12
JW
SHEET 9
CEC_RST
SHEET 7,16,22
AFT1
R7658 10K
R7610 0
R7609 0
TP_IIC
R7660 OPEN
OSDR5
OSDG5
OSDB5
RA7601 RA0
OSDR5_0
OSDG5_0
OSDB5_0
C7627 OPEN
R7650 OPEN
R7651 OPEN
C7628 OPEN
R7603 0
R7604 0
KEY2
KEY1
C7604 1000p
C7605 220p
C7606 2.2 /10
B2
R7611 1k
C7602 0.1/16
SUBCCD
SUBCCD_1
R7605 470
R7606 1M
C7607 680p
SUBCCD_2
R7607 6.8k
STB_5V
C7603 0.1/16
MAINCCD1
MAINCCD1_1
R7612 470
MAINCCD1_2
C7608 0.1/16
R7608 1M
C7609 680p
P0.7
P0.6
CEC_INT
WAKE
CARD_DET
POWER_SW
SDA
SCL
DIGR2
DIGG2
DIGB2
P10.0
KEY2
KEY1
VHOLD2
HLF2
CVIN2
TVSETB
VCCE
CVIN1
P1.0
P1.1
P1.2
P1.3
P1.4
P1.5
P1.6
P1.7
P2.0
P2.1
P2.2
P2.3
P2.4
P2.5
P2.6
P2.7
VSYNC
P3.0
HSYNC
P3.1
P3.2
P3.3
P3.4
P3.5
P3.6
P3.7
P4.0
P4.1
P4.2
P4.3
P4.4
P4.5
P4.6
P4.7
WR
P5.1
P5.2
P5.3
P5.4
HOLD
P5.6
P5.7
RTS0
CLK0
RxD0
TxD0
DIGB1
DIGG1
DIGR1
SDA2
MAIN MICON
IC7601
VHOLD1
HFLT1
P9.4
P9.3
DIGR0
TB1in
REMO
BYTE
CNVss
DIGG0
DIGB0
RESET
Xout
Vss
Xin
Vcc1
OSC1
OSC2
INT1
INT0
OUT1
OUT2
P7.7
P7.6
P7.5
P7.4
CTA2/RTS2
CLK2
RxD2
TxD2
R7624
R7625
C7610 1000p
C7611 220p
R7613 1k
C7612 2.2 /10
R7614 0
R7615 0
X7601 NAX0613-001X 16MHz
CLK_7601_1
CLK_7601_3
C7615 0.1/16
C7613 OPEN
C7614 OPEN
C7616 0.1/16
R7644 0
C7633 150p
R7659 56
R7618 0
R7619 0
R7620 1k
K7601 NRSA02J-0R0X
D7601 OPEN
STB_5V
R7621 OPEN
C7617 0.1/16
IC7603 SN74AHCT1G08V-X
VCC
Y
NC
A
GND
R7654 OPEN
R7616 0
RA7602 RA0
RA7603 RA0
R7617 *
MECA_SW
ACINPOW
REMO
OSDR3
OSDG3
OSDB3
RESET
DD_OSDCK
TVLINK
MI_REQ
MI_OSDYS
MI_OSDYM
BS_TXD
BS_RXD

NOTE : Refer to the part list for the part number of IC7602.

Y (15/16)
-32X667/Z]
-32X787/Z]
-32X887/Z]



OSDB5
OSDB4
OSDB3
OSDG5
OSDG4
OSDG3
OSDR5
OSDR4
OSDR3
SHEET 12,22
R7624 0 DD_OSDVS
R7625 0 DD_OSDHS
MI_OSDYS
MI_OSDYM
SHEET 12,17,22
SHEET 12,22
DD_OSDHS
DD_OSDVS
SHEET 12,13,22
DD_OSDCK
SHEET 12,22
REMO
KEY1
KEY2
SHEET 19,22
R7661
R7662
QAM_RXD
QAM_TXD
SHEET 22
BS_RXD
BS_TXD
SHEET 18,22
RA7606 NRZ0034-101W
MI_CK
MI_RX
MI_TX
BS_5V
CF1
C7618
GND
SUB_CCD1_2
SUB_CCD1_1
C7631
R7631
(SUB_CCD)
SUB_CCD1
SHEET 11
R7632
IC7605
Vcc GND IN
PS OUT SAG
R7647 OPEN
C7619
B1
SUBCCD
C7620
MAIN_CCD_2
MAIN_CCD_1
C7632
R7634
(MAIN_CCD)
MAIN_CCD
SHEET 11
R7635
MAINCCD2
SHEET 22
IC7606
R7648 OPEN
C7621
MAINCCD1
STB3.3V
R7649 10k
R7626 0 SBT5
R7627 0 PW/CLK
SBD5
WORD
MI_REQ
MI_CK
MI_TX
MI_RX
SHEET 16,22
RA7605 RA0
OSDB4
OSDG4
OSDR4
ACINPOW
TVLINK
SHEET 7
MECA_SW
SHEET 7,12,19,22
J7601
R7622 0
MI_SW
IC7604 SN74LVC1G04V-X
Vcc NC A GND Y
R7623 0
R7628 33k
GND
EF7601 OPEN
EF7602 OPEN
R7652
R7653
R7637
R7636
D7606
D7604
D7607
D7605
C7625
STB3.3V
C7629
IC7607
C7626
EN FOFF
C1+ VCC
V+ GND
C1- T1O
C2+ FON
C2- T1I
V- INVAL
R1I R1O
R7639
R7640
C7622
C7623
C7624
CN232SW
R1O
T1O
SBDS
WORD
R7642 OPEN
R7641 OPEN
BS_5V
R7655 OPEN
R7654 OPEN
R7656 OPEN
R7657 OPEN
C7630 OPEN
GND
R7645 OPEN
R7646 0
CPURST2
CPURST
SHEET 16
SHEET 15,22
MI_SW
PW/CLK
RESET
SBT5
SBD5
WORD
SHEET 22

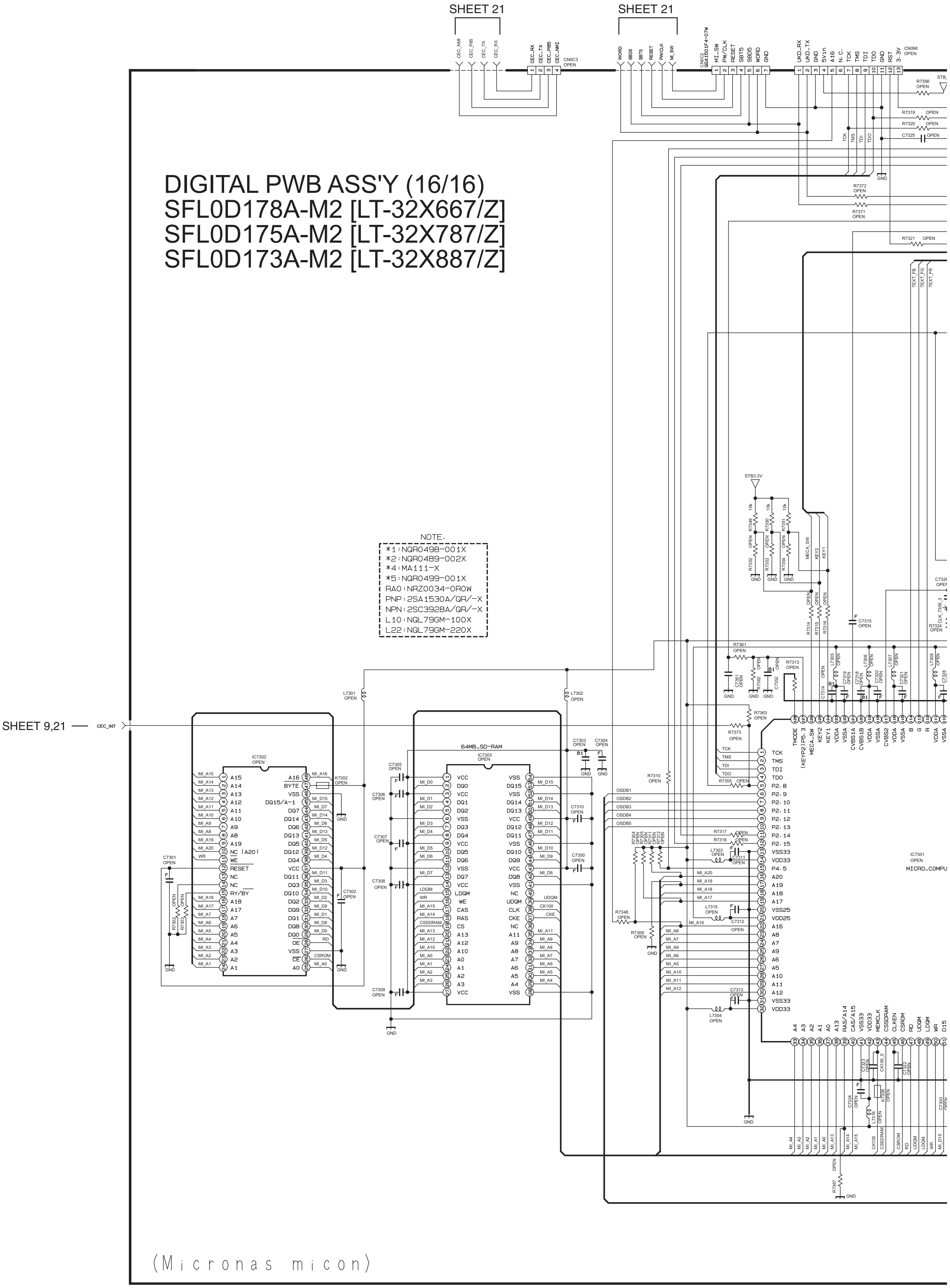
* DIFFERENCE LIST

TYPE	LCD								
	JPN			US					
MODEL	LT-46LH800	LT-37LC85	LT-26LC80	LT-40X887 /X787	LT-37X887 /X787/X667	LT-32X887 X667/X787	LT-32XM57	LT-46FH97 /40FH97	LT-46FN97 /40FN97
ASSY NO.	SFL-0D071A	SFL-0D072A	SFL-0D074A	SFL-0D171A etc	SFL-0D172A etc	SFL-0D173A 175A,178A etc	SFL-0D180A	SFL-0D182A etc	SFL-0D184A etc
	0LLC10547	0LLC10547 -02	0LLC10547 -04	0LLC10547 -05 etc	0LLC10547 -06 etc	0LLC10547 -07 etc	0LLC10547 -14	0LLC10547 -16 etc	0LLC10547 -18 etc
CN232SW	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	QGA1501F4 -04W	OPEN
IC7601	M306V7FG -157FP	M306V7FG -157FP	M306V7FG -157FP	M306V7FG -153FP	M306V7FG -153FP	M306V7FG -153FP	M306V7FG -153FP	M306V7FG -155FP	M306V7FG -155FP
IC7605	OPEN	OPEN	OPEN	MM1673XN -X	MM1673XN -X	MM1673XN -X	MM1673XN -X	MM1673XN -X	MM1673XN -X
IC7606	OPEN	OPEN	OPEN	MM1673XN -X	MM1673XN -X	MM1673XN -X	MM1673XN -X	MM1673XN -X	MM1673XN -X
IC7607	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	ICL3221CAZ -X	OPEN
J7601	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	QNZ0587 -001	OPEN
D7604	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	MA8120-X	OPEN
D7605	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	MA8120-X	OPEN
D7606	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	MA8120-X	OPEN
D7607	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	MA8120-X	OPEN
R7609	0	0	0	OPEN	OPEN	OPEN	OPEN	0	0
R7610	0	0	0	OPEN	OPEN	OPEN	OPEN	0	0
R7631	OPEN	OPEN	OPEN	1k	1k	1k	1k	1k	1k
R7632	OPEN	OPEN	OPEN	2.2k	2.2k	2.2k	2.2k	2.2k	2.2k
R7634	OPEN	OPEN	OPEN	1k	1k	1k	1k	1k	1k
R7635	OPEN	OPEN	OPEN	2.2k	2.2k	2.2k	2.2k	2.2k	2.2k
R7636	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	1k	OPEN
R7637	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	1k	OPEN
R7639	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	10k	OPEN
R7640	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	10k	OPEN
R7652	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	0	OPEN
R7653	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	0	OPEN
R7661	OPEN	OPEN	OPEN	0	0	0 0		OPEN	OPEN
R7662	OPEN	OPEN	OPEN	0	0	0 0		OPEN	OPEN
C7618	OPEN	OPEN	OPEN	4.7/16	4.7/16	4.7/16	4.7/16	4.7/16	4.7/16
C7619	OPEN	OPEN	OPEN	10/10	10/10	10/10	10/10	10/10	10/10
C7620	OPEN	OPEN	OPEN	4.7/16	4.7/16	4.7/16	4.7/16	4.7/16	4.7/16
C7621	OPEN	OPEN	OPEN	10/10	10/10	10/10	10/10	10/10	10/10
C7622	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	0.1/16	OPEN
C7623	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	0.1/16	OPEN
C7624	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	0.1/16	OPEN
C7625	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	0.1/16	OPEN
C7626	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	0.1/16	OPEN
C7629	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	10/10	OPEN
C7631	OPEN	OPEN	OPEN	0.22/10	0.22/10	0.22/10	0.22/10	0.22/10	0.22/10
C7632	OPEN	OPEN	OPEN	0.22/10	0.22/10	0.22/10	0.22/10	0.22/10	0.22/10

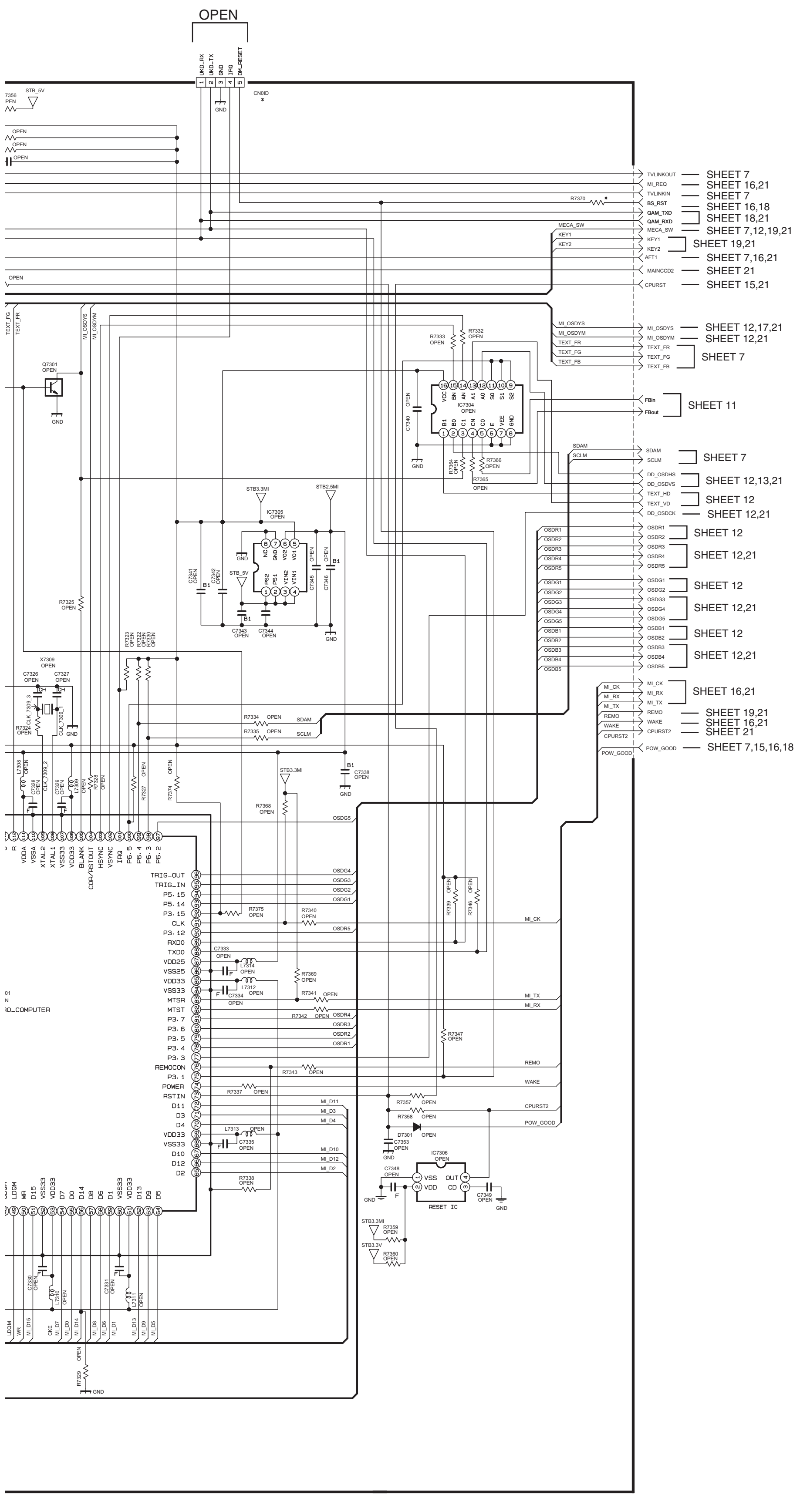
NOTE.
*1:NQR0498-001X
*2:NQR0489-002X
*4:MA111-X
*5:NQR0499-001X
RA0:NRZ0034-0R0W
PNP:2SA1530A/QR/-X
NPN:2SC3928A/QR/-X
L10:NQL79GM-100X
L22:NQL79GM-220X

c10463001a006_0425_6/17_0.0

DIGITAL PWB CIRCUIT DIAGRAM (16/16) SHEET 22



SHEET 21
SHEET 21
DIGITAL PWB ASS'Y (16/16)
SFL0D178A-M2 [LT-32X667/Z]
SFL0D175A-M2 [LT-32X787/Z]
SFL0D173A-M2 [LT-32X887/Z]
NOTE.
*1:NQR0498-001X
*2:NQR0489-002X
*4:MA111-X
*5:NQR0499-001X
RA0:NRZ0034-0R0W
PNP:2SA1530A/QR/-X
NPN:2SC3928A/QR/-X
L10:NQL79GM-100X
L22:NQL79GM-220X
SHEET 9,21
CEC_INT
IC7302 OPEN
IC7303 OPEN
64MB_SD-RAM
IC7301 OPEN
MICRO_COMPU
CN0C3 OPEN
CN0MI OPEN
STB3.3V
GND
(Micronas micon)

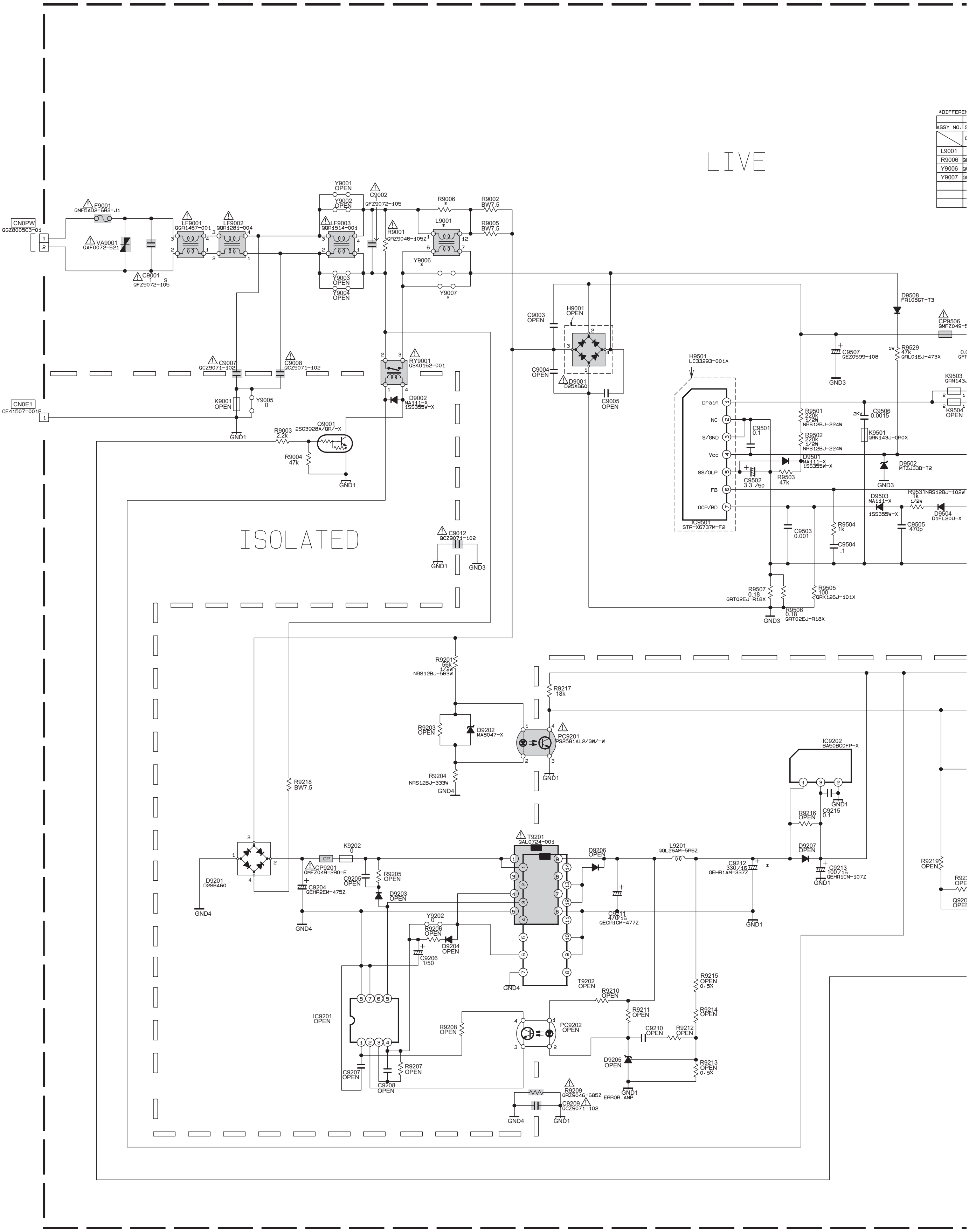

OPEN
UKO_RX
UKO_TX
GND
IRQ
DH_RESET
CN0ID
*
STB_5V
R7356
OPEN
Q7301
OPEN
TVLINKOUT
MI_REQ
TVLINKIN
BS_RST
QAM_TXD
QAM_RXD
MECA_SW
KEY1
KEY2
AFT1
MAINCCD2
CPURST
SHEET 7
SHEET 16,21
SHEET 7
SHEET 16,18
SHEET 18,21
SHEET 7,12,19,21
SHEET 19,21
SHEET 7,16,21
SHEET 21
SHEET 15,21
R7370
MI_OSDYS
MI_OSDYM
TEXT_FR
TEXT_FG
TEXT_FB
SHEET 12,17,21
SHEET 12,21
SHEET 7
FBin
FBout
SHEET 11
IC7304
OPEN
R7333
OPEN
R7332
OPEN
C7340
R7364
R7365
R7366
SDAM
SCLM
SHEET 7
DD_OSDHS
DD_OSDVS
TEXT_HD
TEXT_VD
DD_OSDCK
SHEET 12,13,21
SHEET 12
SHEET 12,21
OSDR1
OSDR2
OSDR3
OSDR4
OSDR5
OSDG1
OSDG2
OSDG3
OSDG4
OSDG5
OSDB1
OSDB2
OSDB3
OSDB4
OSDB5
SHEET 12
SHEET 12,21
SHEET 12
SHEET 12,21
SHEET 12
SHEET 12,21
MI_CK
MI_RX
MI_TX
REMO
WAKE
CPURST2
POW_GOOD
SHEET 16,21
SHEET 19,21
SHEET 16,21
SHEET 21
SHEET 7,15,16,18
STB3.3MI
STB2.5MI
IC7305
OPEN
C7341
C7342
C7343
C7344
C7345
C7346
B1
R7325
OPEN
X7309
OPEN
C7326
C7327
R7324
R7334
R7335
R7368
C7338
L7308
L7309
C7328
C7329
R7326
R7327
R7374
VDDA
VSSA
XTAL2
XTAL1
VSS33
VDD33
BLANK
COR/RSTOUT
HSYNC
VSYNC
IRQ
P6.5
P6.4
P6.3
P6.2
TRIG_OUT
TRIG_IN
P5.15
P5.14
P3.15
CLK
P3.12
RXD0
TXD0
VDD25
VSS25
VDD33
VSS33
MTSR
MTST
P3.7
P3.6
P3.5
P3.4
P3.3
REMOCON
P3.1
POWER
RSTIN
D11
D3
D4
VDD33
VSS33
D10
D12
D2
MICRO_COMPUTER
R7375
R7340
R7339
R7346
C7333
L7314
L7312
C7334
R7369
R7341
R7342
R7347
R7343
R7337
R7357
R7358
D7301
C7353
L7313
C7335
R7338
IC7306
OPEN
VSS
VDD
OUT
CD
RESET IC
C7348
C7349
R7359
R7360
STB3.3V
MI_D11
MI_D3
MI_D4
MI_D10
MI_D12
MI_D2
LDQM
WR
D15
VSS33
VDD33
D7
D0
D14
D8
D6
D1
VSS33
VDD33
D13
D9
D5
C7330
L7310
C7331
L7311
R7329
GND

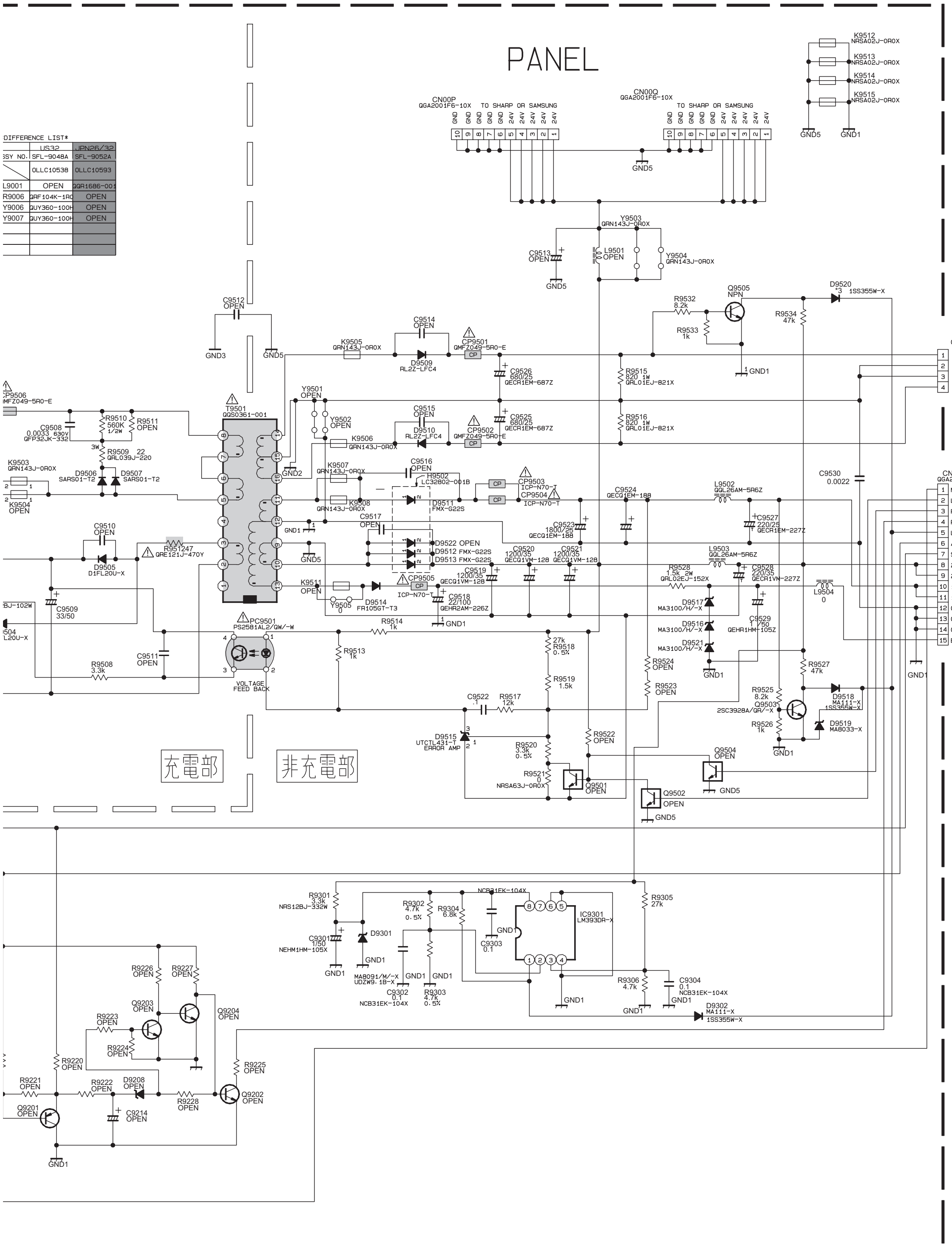
* DIFFERENCE LIST

TYPE	LCD								
	JPN			US					
MODEL	LT-46LH800	LT-37LC85	LT-26LC80	LT-40X887 /X787	LT-37X887 /X787/X667	LT-32X887 X667/X787	LT-32XM57	LT-46FH97 /40FH97	LT-46FN97 /40FN97
ASSY NO.	SFL-0D071A	SFL-0D072A	SFL-0D074A	SFL-0D171A etc	SFL-0D172A etc	SFL-0D173A 175A,178A etc	SFL-0D180A	SFL-0D182A etc	SFL-0D184A etc
	0LLC10547	0LLC10547 -02	0LLC10547 -04	0LLC10547 -05 etc	0LLC10547 -06 etc	0LLC10547 -07 etc	0LLC10547 -14	0LLC10547 -16 etc	0LLC10547 -18 etc
CN0ID	OPEN	OPEN	OPEN	QGA1217F1 -05X	QGA1217F1 -05X	QGA1217F1 -05X	QGA1217F1 -05X	OPEN	OPEN
R7370	OPEN	OPEN	OPEN	0	0	0	0	OPEN	OPEN

c10463001a007_0425_7/17_0.0

POWER PWB CIRCUIT DIAGRAM SHEET 23


LIVE
ISOLATED
*DIFFEREN
ASSY NO.
L9001
R9006
Y9006
Y9007
CN0PW
QGZ8005C3-01
CN0E1
CE41507-001P
F9001
QMF5AD2-6R3-J1
VA9001
QAF0072-621
C9001
1 S
QFZ9072-105
LF9001
QQR1467-001
LF9002
QQR1281-004
LF9003
QQR1514-001
Y9001
OPEN
Y9002
OPEN
Y9003
OPEN
Y9004
OPEN
C9002
1
QFZ9072-105
R9001
QRZ9046-105Z
R9006
*
L9001
*
R9002
BW7.5
R9005
BW7.5
Y9006
*
Y9007
*
C9007
QCZ9071-102
C9008
QCZ9071-102
RY9001
QSK0162-001
D9002
MA111-X
1SS355W-X
K9001
OPEN
Y9005
0
GND1
R9003
2.2k
Q9001
2SC3928A/QR/-X
R9004
47k
GND1
C9012
QCZ9071-102
GND1
GND3
C9003
OPEN
H9001
OPEN
C9004
OPEN
D9001
D25XB60
C9005
OPEN
D9508
FR105GT-T3
CP9506
QMFZ049-5
C9507
QEZ0599-108
GND3
1W
R9529
47k
QRL01EJ-473X
0.0
QFF
K9503
QRN143
K9504
OPEN
H9501
LC33293-001A
Drain
NC
S/GND
Vcc
SS/OLP
FB
OCP/BD
IC9501
STR-X6737M-F2
C9501
0.1
R9501
220k
1/2W
NRS12BJ-224W
R9502
220k
1/2W
NRS12BJ-224W
2KV
C9506
0.0015
K9501
QRN143J-0R0X
D9501
MA111-X
1SS355W-X
C9502
3.3 /50
R9503
47k
D9502
MTZJ33B-T2
GND3
D9503
MA111-X
1SS355W-X
R9531NRS12BJ-102W
1k
1/2W
D9504
D1FL20U-X
C9505
470p
C9503
0.001
R9504
1k
C9504
.1
R9507
0.18
QRT02EJ-R18X
R9506
0.18
QRT02EJ-R18X
R9505
100
QRK126J-101X
GND3
R9201
56k
1/2W
NRS12BJ-563W
R9217
18k
R9203
OPEN
D9202
MA8047-X
PC9201
PS2581AL2/QW/-W
GND1
R9204
NRS12BJ-333W
GND4
R9218
BW7.5
IC9202
BA50BC0FP-X
GND1
R9216
OPEN
C9215
0.1
D9201
D2SBA60
GND4
K9202
0
CP
CP9201
QMFZ049-2R0-E
C9204
QEHR2EM-475Z
GND4
C9205
OPEN
R9205
OPEN
D9203
OPEN
T9201
QAL0724-001
D9206
OPEN
L9201
QQL26AM-5R6Z
C9212
330/16
QEHR1AM-337Z
*
D9207
OPEN
C9213
100/16
QEHR1CM-107Z
GND1
R9219
OPEN
R92
OPE
Q920
OPEN
C9211
470/16
QECR1CM-477Z
GND1
Y9202
0
R9206
OPEN
D9204
OPEN
C9206
1/50
GND4
T9202
OPEN
R9210
OPEN
R9215
OPEN
0.5%
R9214
OPEN
IC9201
OPEN
R9208
OPEN
PC9202
OPEN
R9211
OPEN
C9210
OPEN
R9212
OPEN
D9205
OPEN
R9213
OPEN
0.5%
C9207
OPEN
R9207
OPEN
C9208
OPEN
R9209
QRZ9046-685Z
ERROR AMP
GND1
C9209
QCZ9071-102
GND4
GND1


PANEL
CN00P QGA2001F6-10X TO SHARP OR SAMSUNG
CN00Q QGA2001F6-10X TO SHARP OR SAMSUNG
GND
24V
K9512 NRSA02J-0R0X
K9513 NRSA02J-0R0X
K9514 NRSA02J-0R0X
K9515 NRSA02J-0R0X
GND5
GND1
Y9503 QRN143J-0R0X
C9513 OPEN
L9501 OPEN
Y9504 QRN143J-0R0X
C9512 OPEN
GND3
Q9505 NPN
R9532 8.2k
R9533 1k
R9534 47k
D9520 1SS355W-X
K9505 QRN143J-0R0X
C9514 OPEN
CP9501 QMFZ049-5R0-E
D9509 RL2Z-LFC4
C9526 680/25 QECR1EM-687Z
R9515 820 1W QRL01EJ-821X
CN00F QGA2001F6-04X
AUDIO_VCC P
AUDIO_GND
AUDIO_GND
AUDIO_VCC N
D-AMP PWB
CN10F
SHEET 26
CP9506 QMFZ049-5R0-E
T9501 QQS0361-001
Y9501 OPEN
Y9502 OPEN
C9515 OPEN
D9510 RL2Z-LFC4
CP9502 QMFZ049-5R0-E
C9525 680/25 QECR1EM-687Z
R9516 820 1W QRL01EJ-821X
R9510 560K 1/2W
R9511 OPEN
C9508 0.0033 630V QFP32JK-332
R9509 22 QRL039J-220
K9506 QRN143J-0R0X
K9503 QRN143J-0R0X
D9506 SARS01-T2
D9507 SARS01-T2
K9504 OPEN
K9507 QRN143J-0R0X
C9516 OPEN
H9502 LC32802-001B
CP9503 ICP-N70-T
CP9504 ICP-N70-T
K9508 QRN143J-0R0X
D9511 FMX-G22S
C9517 OPEN
C9524 QECQ1EM-188
L9502 QQL26AM-5R6Z
C9530 0.0022
CN00A QGA2001F6-15X
MAIN_POW
LB_POW
PFC_POW
POW_GOOD
LB_PRO
AC_IN
STB_5V
24V
24V
16V
16V
GND
GND
GND
BT32V
DC-DC PWB
CN10A
SHEET 27
C9523 1800/25 QECQ1EM-188
C9527 220/25 QECR1EM-227Z
C9510 OPEN
R951247 QRE121J-470Y
D9505 D1FL20U-X
D9522 OPEN
D9512 FMX-G22S
D9513 FMX-G22S
C9520 1200/35 QECQ1VM-128
C9521 1200/35 QECQ1VM-128
L9503 QQL26AM-5R6Z
R9528 1.5k 2W QRL02EJ-152X
C9528 220/35 QECR1VM-227Z
L9504 0
C9519 1200/35 QECQ1VM-128
K9511 OPEN
CP9505 ICP-N70-T
D9514 FR105GT-T3
Y9505 0
C9518 22/100 QEHR2AM-226Z
D9517 MA3100/H/-X
D9516 MA3100/H/-X
D9521 MA3100/H/-X
C9529 1/50 QEHR1HM-105Z
C9509 33/50
PC9501 PS2581AL2/QW/-W
R9514 1k
R9513 1k
27k R9518 0.5%
R9519 1.5k
R9524 OPEN
R9523 OPEN
R9527 47k
R9525 8.2k
Q9503 2SC3928A/QR/-X
R9526 1k
D9518 MA111-X 1SS355W-X
D9519 MA8033-X
C9511 OPEN
R9508 3.3k
VOLTAGE FEED BACK
C9522 .1
R9517 12k
D9515 UTCTL431-T ERROR AMP
R9520 3.3k 0.5%
R9521 0 NRSA63J-0R0X
Q9501 OPEN
R9522 OPEN
Q9504 OPEN
Q9502 OPEN
充電部
非充電部
R9301 3.3k NRS12BJ-332W
C9301 1/50 NEHM1HM-105X
D9301
R9302 4.7k 0.5%
R9304 6.8k
NCB31EK-104X
C9303 0.1
IC9301 LM393DR-X
R9305 27k
R9306 4.7k
C9304 0.1 NCB31EK-104X
D9302 MA111-X 1SS355W-X
MA8091/M/-X UDZW9.1B-X
C9302 0.1 NCB31EK-104X
R9303 4.7k 0.5%
R9226 OPEN
R9227 OPEN
Q9203 OPEN
Q9204 OPEN
R9223 OPEN
R9224 OPEN
R9220 OPEN
R9225 OPEN
R9221 OPEN
R9222 OPEN
D9208 OPEN
C9214 OPEN
R9228 OPEN
Q9202 OPEN
Q9201 OPEN

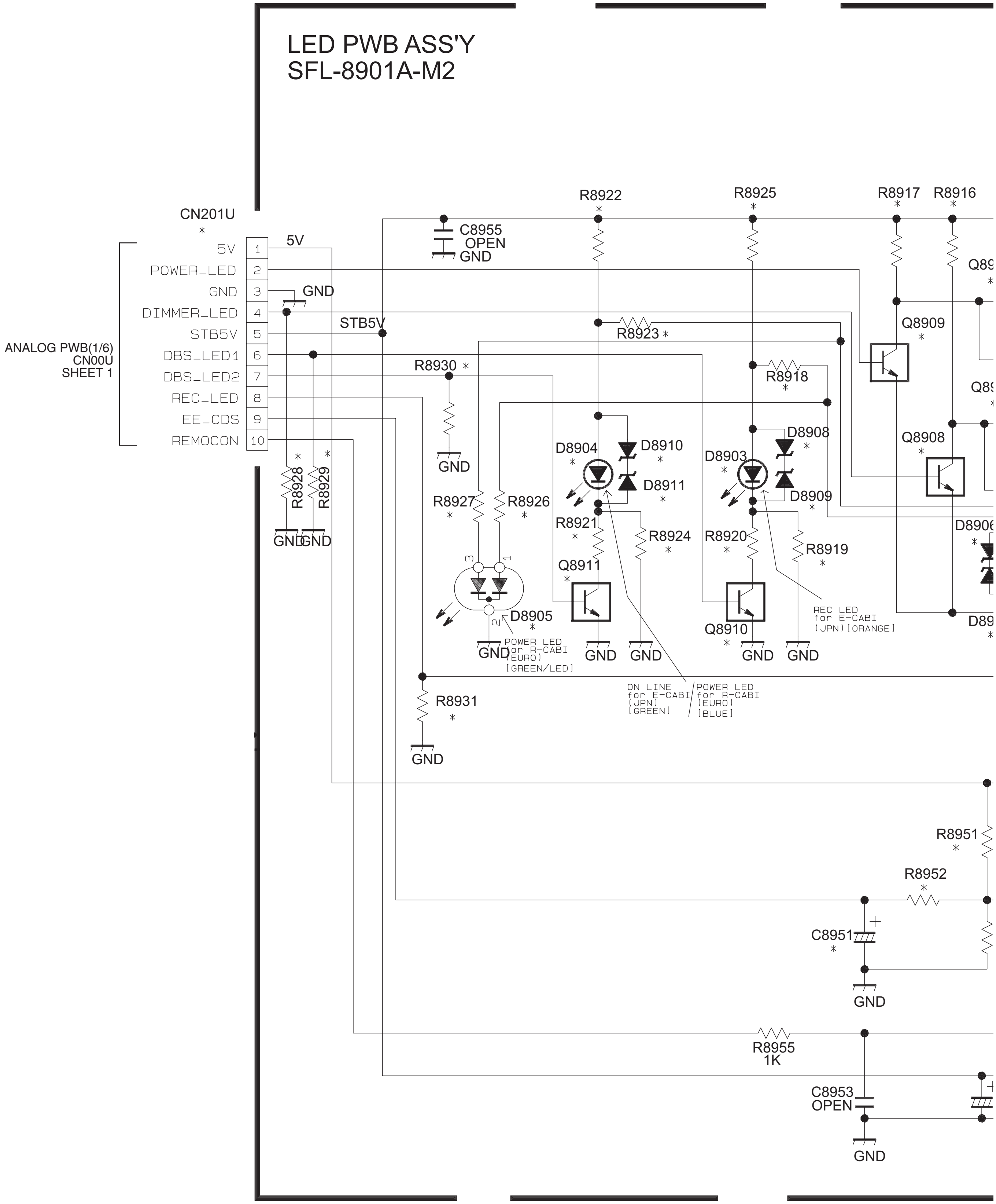
DIFFERENCE LIST

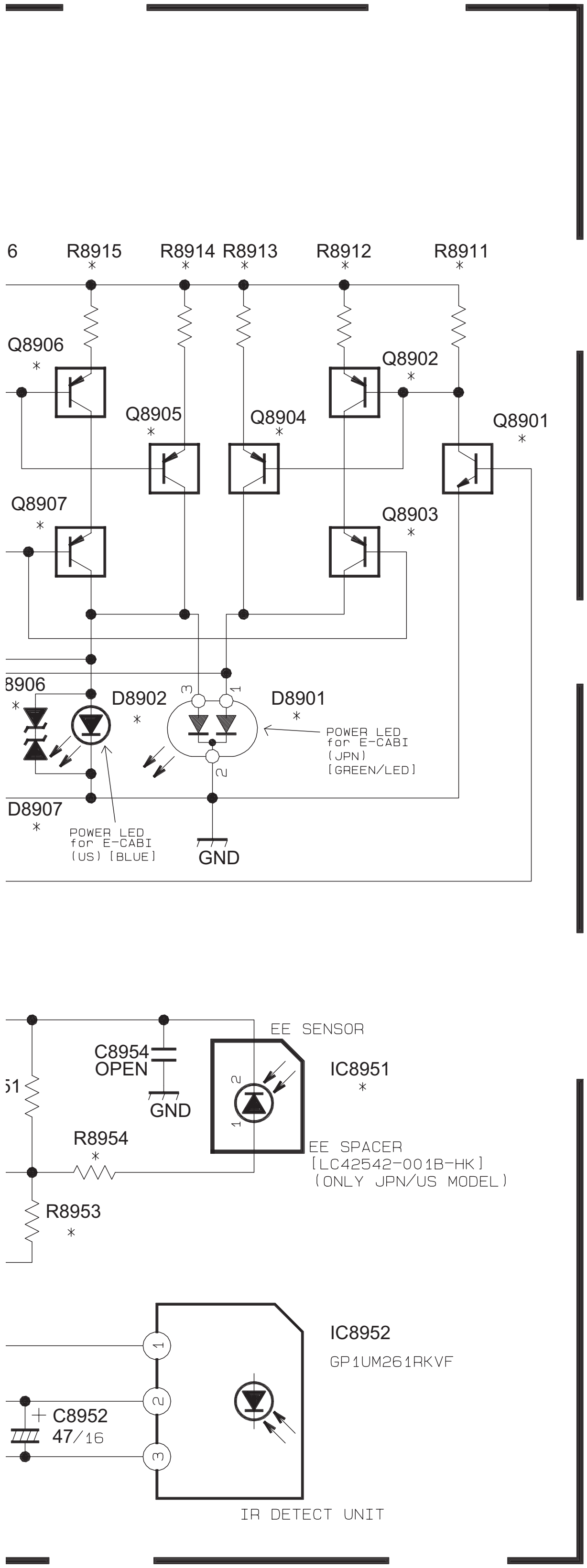
	US32	JPN26/32
SSY NO.	SFL-9048A	SFL-9052A
	0LLC10538	0LLC10593
L9001	OPEN	QQR1686-001
R9006	QRF104K-1R0	OPEN
Y9006	QUY360-100H	OPEN
Y9007	QUY360-100H	OPEN

POWER PWB ASS'Y
SFL-9048A-M2

c10476001a001_0410_1/1_0.0

LED PWB CIRCUIT DIAGRAM SHEET 24

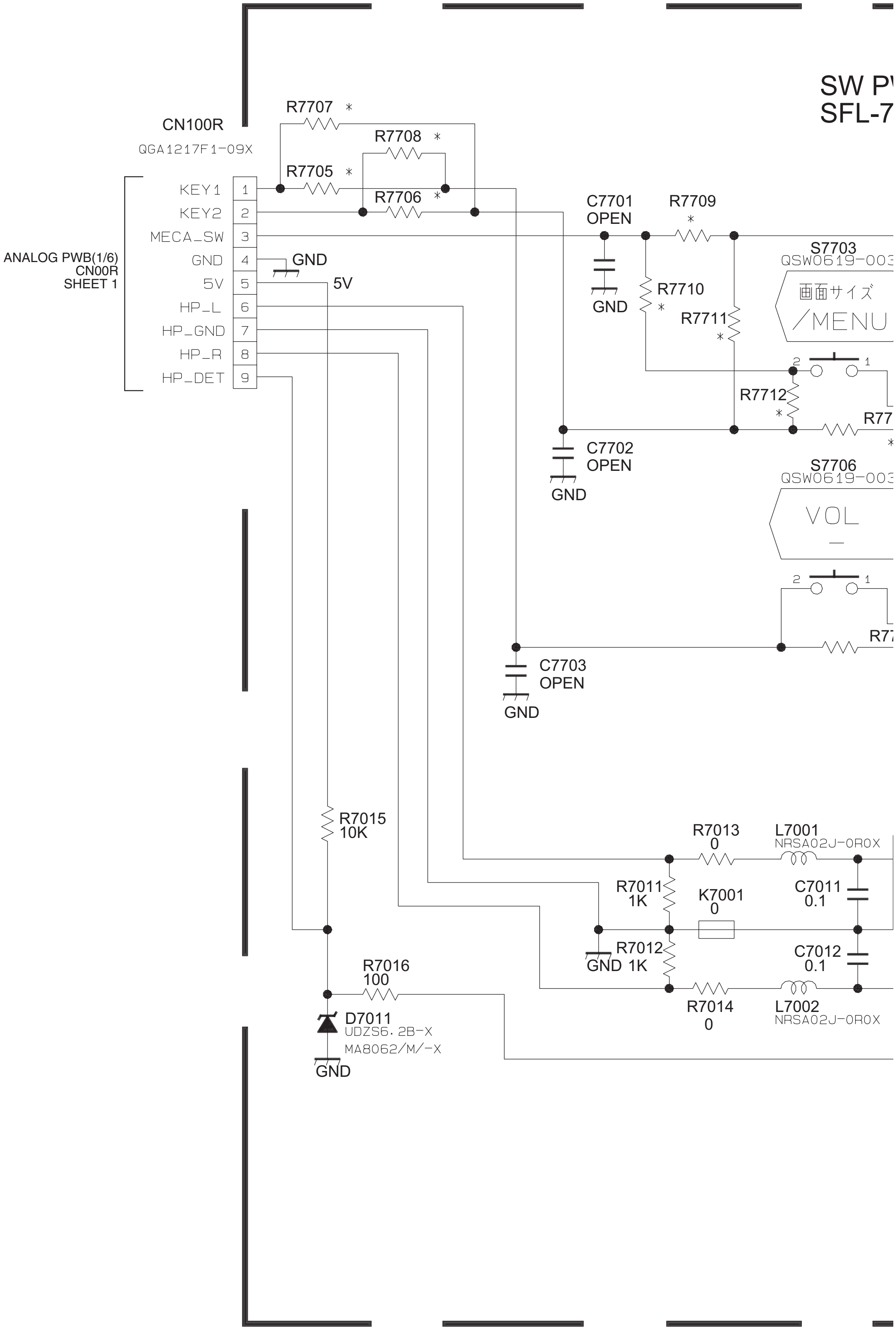

LED PWB ASS'Y
SFL-8901A-M2
CN201U
*
ANALOG PWB(1/6)
CN00U
SHEET 1
5V
POWER_LED
GND
DIMMER_LED
STB5V
DBS_LED1
DBS_LED2
REC_LED
EE_CDS
REMOCON
1
2
3
4
5
6
7
8
9
10
5V
GND
STB5V
C8955
OPEN
GND
R8922
*
R8925
*
R8917
*
R8916
*
Q89
*
Q8909
*
R8923 *
R8930 *
R8918
*
GND
Q8908
*
D8904
*
D8910
*
D8911
*
D8903
*
D8908
*
D8909
*
R8928
*
R8929
*
GND
GND
R8927
*
R8926
*
R8921
*
R8924
*
R8920
*
R8919
*
D8906
*
Q8911
*
3
1
2
D8905
*
POWER LED
for R-CABI
(EURO)
[GREEN/LED]
GND
GND
GND
Q8910
*
GND
GND
REC LED
for E-CABI
(JPN)[ORANGE]
D89
*
ON LINE
for E-CABI
(JPN)
[GREEN]
POWER LED
for R-CABI
(EURO)
[BLUE]
R8931
*
GND
R8951
*
R8952
*
C8951
*
GND
R8955
1K
C8953
OPEN
GND


6
R8915
R8914
R8913
R8912
R8911
Q8906
Q8902
Q8905
Q8904
Q8901
Q8907
Q8903
8906
D8902
D8901
POWER LED
for E-CABI
(JPN)
[GREEN/LED]
D8907
POWER LED
for E-CABI
(US) [BLUE]
GND
C8954
OPEN
GND
EE SENSOR
IC8951
51
R8954
EE SPACER
[LC42542-001B-HK]
(ONLY JPN/US MODEL)
R8953
IC8952
GP1UM261RKVF
C8952
47/16
IR DETECT UNIT

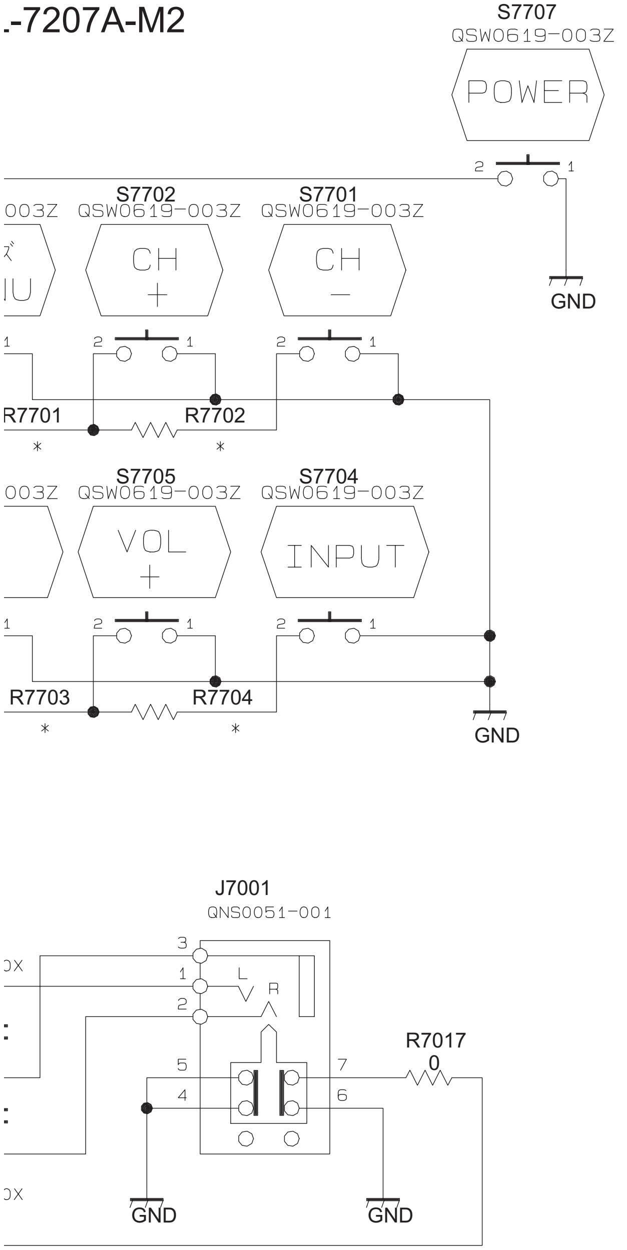
*DIFFERENCE LIST

NOTE	US 32/37	NON-IDTV 26/32/37	JPN 26/32/37	IDTV 26/32/37	US (XM57) 32
ASSY NO.	SFL-8901A	SFL-8902A	SFL-8903A	SFL-8904A	SFL-8905A
	OLLC10556	OLLC10387	OLLC10556 -02	OLLC10387 -02	OLLC10556 -03
D8901	OPEN	OPEN	SML72420C-T	OPEN	OPEN
D8902	SEL5E20C-T	OPEN	OPEN	OPEN	SEL5E20C-T
D8903	OPEN	OPEN	SEL5920A-T	OPEN	OPEN
D8904	OPEN	SEL5E20C-T	SEL5420E-T	OPEN	OPEN
D8905	OPEN	OPEN	OPEN	SML72420C-T	OPEN
D8906	MA8068-X	OPEN	OPEN	OPEN	MA8068-X
D8907	MA8068-X	OPEN	OPEN	OPEN	MA8068-X
D8908	OPEN	OPEN	OPEN	OPEN	OPEN
D8909	OPEN	OPEN	OPEN	OPEN	OPEN
D8910	OPEN	MA8068-X	OPEN	OPEN	OPEN
D8911	OPEN	MA8068-X	OPEN	OPEN	OPEN
Q8901	OPEN	OPEN	RT1N241C-X	RT1N241C-X	OPEN
Q8902	OPEN	OPEN	OPEN	OPEN	OPEN
Q8903	OPEN	OPEN	OPEN	OPEN	OPEN
Q8904	OPEN	OPEN	RT1P440C-X	RT1P440C-X	OPEN
Q8905	RT1P440C-X	RT1P440C-X	RT1P440C-X	RT1P440C-X	RT1P440C-X
Q8906	RT1P440C-X	OPEN	OPEN	OPEN	RT1P440C-X
Q8907	RT1P440C-X	OPEN	OPEN	OPEN	RT1P440C-X
Q8908	RT1N241C-X	OPEN	OPEN	OPEN	RT1N241C-X
Q8909	RT1N241C-X	RT1N241C-X	RT1N241C-X	RT1N241C-X	RT1N241C-X
Q8910	OPEN	OPEN	RT1N241C-X	OPEN	OPEN
Q8911	OPEN	OPEN	RT1N241C-X	OPEN	OPEN
R8911	OPEN	OPEN	10K	10K	OPEN
R8912	OPEN	OPEN	OPEN	OPEN	OPEN
R8913	OPEN	OPEN	150	330	OPEN
R8914	270	330	150	330	270
R8915	150	OPEN	OPEN	OPEN	150
R8916	10K	OPEN	OPEN	OPEN	10K
R8917	10K	10K	10K	10K	10K
R8918	OPEN	OPEN	OPEN	OPEN	OPEN
R8919	OPEN	OPEN	OPEN	OPEN	OPEN
R8920	OPEN	OPEN	150	OPEN	OPEN
R8921	OPEN	OPEN	150	OPEN	OPEN
R8922	OPEN	OPEN	0	OPEN	OPEN
R8923	OPEN	0	OPEN	OPEN	OPEN
R8924	OPEN	0	OPEN	OPEN	OPEN
R8925	OPEN	OPEN	0	OPEN	OPEN
R8926	OPEN	OPEN	OPEN	0	OPEN
R8927	OPEN	OPEN	OPEN	0	OPEN
R8928	OPEN	OPEN	0	OPEN	OPEN
R8929	0	OPEN	OPEN	OPEN	0
R8930	0	OPEN	OPEN	OPEN	0
R8931	0	OPEN	OPEN	OPEN	0
IC8951	S9648	OPEN	S9648	OPEN	OPEN
R8951	150K	OPEN	150K	OPEN	OPEN
R8952	100	OPEN	100	OPEN	0
R8953	33K	OPEN	33K	OPEN	0
R8954	15K	OPEN	15K	OPEN	OPEN
C8951	NEHL1EM-226X	OPEN	NEHL1EM-226X	OPEN	OPEN
CN201U	QGA1217F1 -10X	QGA1217F1 -10X	QGA1217F1 -10X	QGA1217F1 -10X	QGA1217F1 -10X

c30205001a001_0410_1/1_0.0


SW P
SFL-7
CN100R
QGA1217F1-09X
ANALOG PWB(1/6)
CN00R
SHEET 1
KEY1 1
KEY2 2
MECA_SW 3
GND 4
5V 5
HP_L 6
HP_GND 7
HP_R 8
HP_DET 9
GND
5V
R7707 *
R7708 *
R7705 *
R7706 *
C7701
OPEN
R7709
*
GND
R7710
*
R7711
*
S7703
QSW0619-003
画面サイズ
／MENU
R7712
*
R77
*
C7702
OPEN
GND
S7706
QSW0619-003
VOL
—
R77
C7703
OPEN
GND
R7015
10K
R7013
0
L7001
NRSA02J-0R0X
R7011
1K
K7001
0
C7011
0.1
R7012
GND 1K
C7012
0.1
R7016
100
R7014
0
L7002
NRSA02J-0R0X
D7011
UDZS6.2B-X
MA8062/M/-X
GND

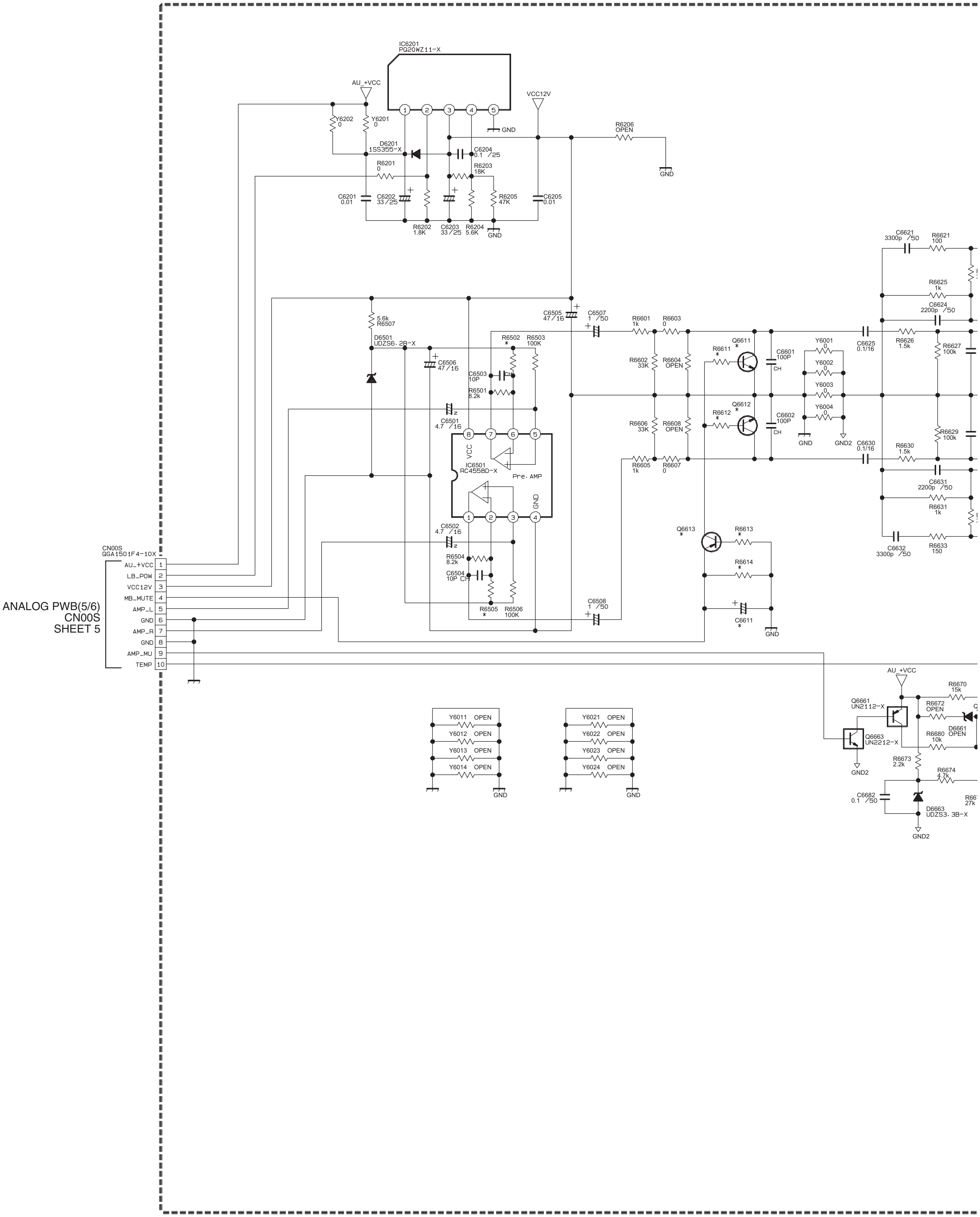
PWB ASS'Y
-7207A-M2


S7707
QSW0619-003Z
POWER
S7702
QSW0619-003Z
CH
+
S7701
QSW0619-003Z
CH
−
GND
R7701
R7702
*
*
S7705
QSW0619-003Z
VOL
+
S7704
QSW0619-003Z
INPUT
R7703
R7704
*
*
GND
J7001
QNS0051-001
L
R
R7017
0
GND
GND

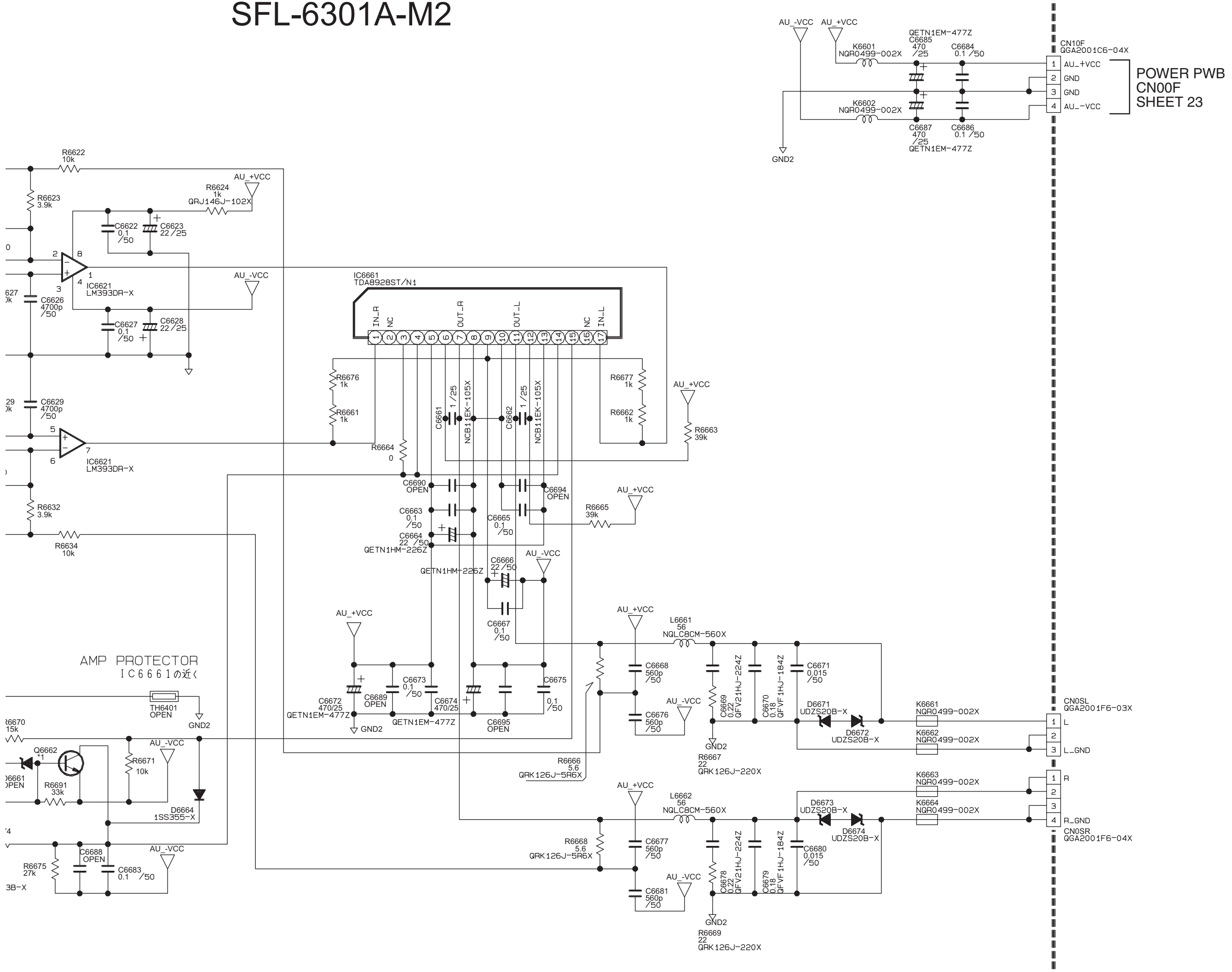
*DIFFERENCE LIST

NOTE	IDTV26/32/37 NON-IDTV 26/37/37 ASIA32	US	JPN
ASSY No,	SFL-7206A SFL-7209A	SFL-7207A	SFL-7208A
	OLLC09105 -04/-05	OLLC10557	OLLC10557 -02
R7701	4.7K	5.6K	5.6K
R7702	8.2K	15K	15K
R7703	4.7K	5.6K	5.6K
R7704	8.2K	15K	15K
R7705	OPEN	0	0
R7706	OPEN	0	0
R7707	0	OPEN	OPEN
R7708	0	OPEN	OPEN
R7709	OPEN	0	0
R7710	0	OPEN	OPEN
R7711	0	OPEN	OPEN
R7712	OPEN	0	0

D-AMP PWB CIRCUIT DIAGRAM SHEET 26


IC6201
PQ20WZ11-X
AU_+VCC
VCC12V
GND
Y6202 0
Y6201 0
D6201 1SS355-X
C6204 0.1 /25
R6201 0
R6203 18K
R6206 OPEN
C6201 0.01
C6202 33/25
R6205 47K
C6205 0.01
R6202 1.8K
C6203 33/25
R6204 5.6K
5.6k R6507
D6501 UDZS6.2B-X
C6506 47/16
C6505 47/16
C6507 1 /50
R6502 *
R6503 100K
C6503 10P CH
R6501 8.2k
C6501 4.7 /16
IC6501 RC4558D-X
VCC
Pre.AMP
C6502 4.7 /16
R6504 8.2k
C6504 10P CH
R6505 *
R6506 100K
C6508 1 /50
R6601 1k
R6603 0
R6602 33K
R6604 OPEN
R6606 33K
R6608 OPEN
R6605 1k
R6607 0
Q6611 *
R6611 *
Q6612 *
R6612 *
C6601 100P CH
C6602 100P CH
Y6001 0
Y6002 0
Y6003 0
Y6004 0
GND2
C6625 0.1/16
C6630 0.1/16
C6621 3300p /50
R6621 100
R6625 1k
C6624 2200p /50
R6626 1.5k
R6627 100k
R6629 100k
R6630 1.5k
C6631 2200p /50
R6631 1k
C6632 3300p /50
R6633 150
Q6613 *
R6613 *
R6614 *
C6611 *
CN00S
QGA1501F4-10X
AU_+VCC 1
LB_POW 2
VCC12V 3
MB_MUTE 4
AMP_L 5
GND 6
AMP_R 7
GND 8
AMP_MU 9
TEMP 10
ANALOG PWB(5/6)
CN00S
SHEET 5
Y6011 OPEN
Y6012 OPEN
Y6013 OPEN
Y6014 OPEN
Y6021 OPEN
Y6022 OPEN
Y6023 OPEN
Y6024 OPEN
Q6661 UN2112-X
Q6663 UN2212-X
R6670 15k
R6672 OPEN
D6661 OPEN
R6680 10k
R6673 2.2k
R6674 4.7k
C6682 0.1 /50
D6663 UDZS3.3B-X
27k

D-AMP PWB ASS'Y
SFL-6301A-M2



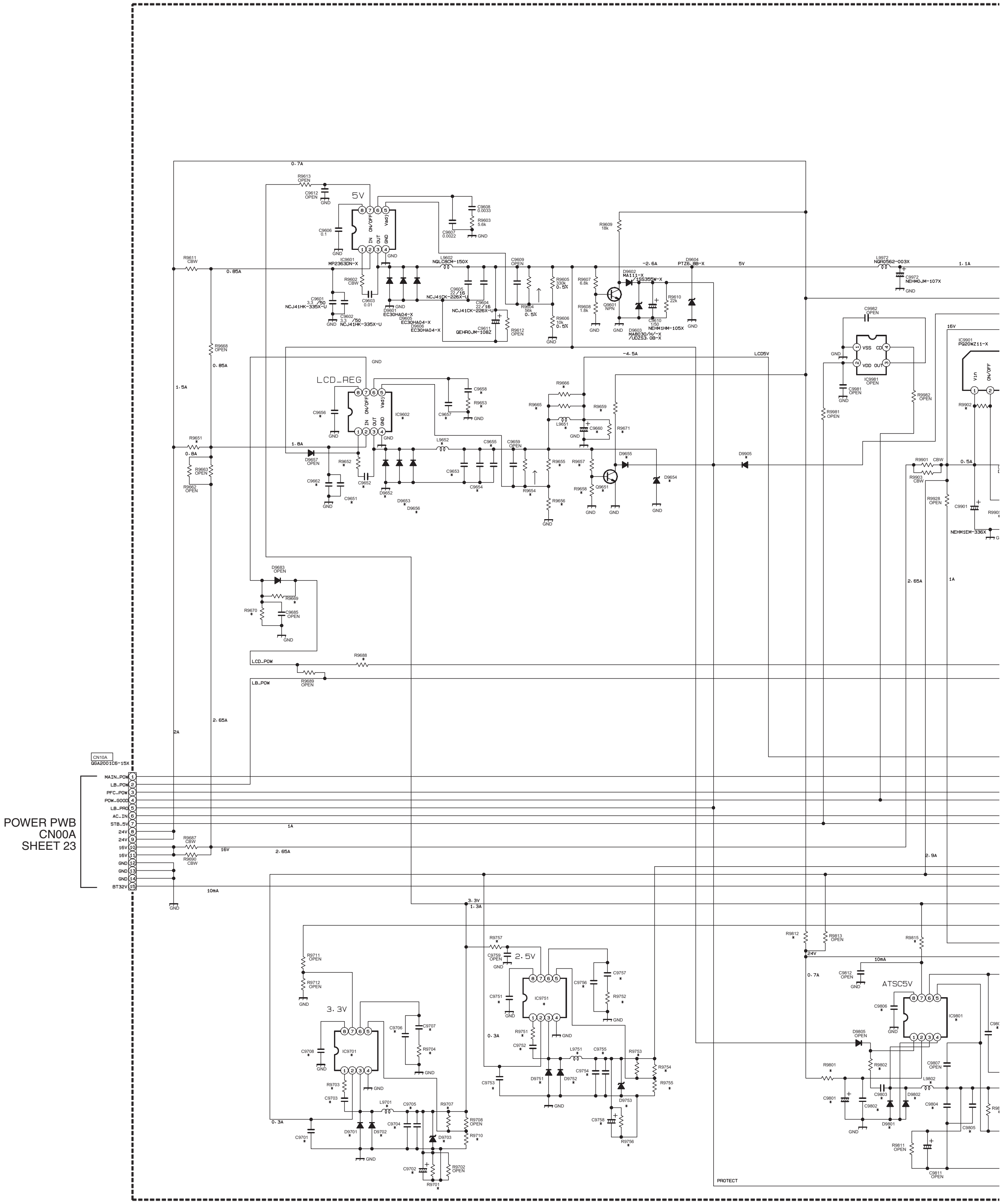
AU_-VCC
AU_+VCC
K6601
NQR0499-002X
K6602
NQR0499-002X
QETN1EM-477Z
C6685
470
/25
C6684
0.1 /50
C6687
470
/25
C6686
0.1 /50
QETN1EM-477Z
GND2
CN10F
QGA2001C6-04X
1 AU_+VCC
2 GND
3 GND
4 AU_-VCC
POWER PWB
CN00F
SHEET 23
R6622
10k
R6623
3.9k
R6624
1k
QRJ146J-102X
C6622
0.1
/50
C6623
22/25
IC6621
LM393DR-X
C6626
4700p
/50
C6627
0.1
/50
C6628
22/25
C6629
4700p
/50
IC6621
LM393DR-X
R6632
3.9k
R6634
10k
IC6661
TDA8928ST/N1
IN_R
NC
OUT_R
OUT_L
NC
IN_L
R6676
1k
R6661
1k
R6677
1k
R6662
1k
R6663
39k
C6661
1/25
NCB11EK-105X
C6662
1/25
NCB11EK-105X
R6664
0
C6690
OPEN
C6663
0.1
/50
C6664
22 /50
QETN1HM-226Z
C6665
0.1
/50
C6694
OPEN
R6665
39k
QETN1HM-226Z
C6666
22 /50
C6667
0.1
/50
AMP PROTECTOR
IC6661の近く
TH6401
OPEN
GND2
C6672
470/25
QETN1EM-477Z
C6689
OPEN
C6673
0.1
/50
C6674
470/25
QETN1EM-477Z
C6695
OPEN
C6675
0.1
/50
R6670
15k
Q6662
*1
R6671
10k
D6661
OPEN
R6691
33k
D6664
1SS355-X
R6666
5.6
QRK126J-5R6X
R6675
27k
C6688
OPEN
C6683
0.1 /50
L6661
56
NQLC8CM-560X
C6668
560p
/50
C6676
560p
/50
C6669
0.22
QFV21HJ-224Z
C6670
0.18
QFVF1HJ-184Z
C6671
0.015
/50
D6671
UDZS20B-X
D6672
UDZS20B-X
R6667
22
QRK126J-220X
K6661
NQR0499-002X
K6662
NQR0499-002X
CN0SL
QGA2001F6-03X
1 L
2
3 L_GND
K6663
NQR0499-002X
K6664
NQR0499-002X
1 R
2
3
4 R_GND
CN0SR
QGA2001F6-04X
L6662
56
NQLC8CM-560X
R6668
5.6
QRK126J-5R6X
C6677
560p
/50
C6681
560p
/50
C6678
0.22
QFV21HJ-224Z
C6679
0.18
QFVF1HJ-184Z
C6680
0.015
/50
D6673
UDZS20B-X
D6674
UDZS20B-X
R6669
22
QRK126J-220X

* DIFFERENCE LIST

MODEL	JPN	US					
		32X7/8*	37/40X7/8*	32XM57	37X987	40/46FH97	40/46FN97
	SFL-6302A	SFL-6301A	SFL-6302A	SFL-6301A	SFL-6302A	SFL-6302A	SFL-6302A
	LCA90641-02*	LCA90641-01*	LCA90641-02*	LCA90641-01*	LCA90641-02*	LCA90641-02*	LCA90641-02*
	OLLC10543 -02	OLLC10543	OLLC10543 -02	OLLC10543	OLLC10543 -02	OLLC10543 -02	OLLC10543 -02
Q6611	*1	OPEN	*1	OPEN	*1	*1	*1
Q6612	*1	OPEN	*1	OPEN	*1	*1	*1
Q6613	*2	OPEN	*2	OPEN	*2	*2	*2
R6611	100	OPEN	100	OPEN	100	100	100
R6612	100	OPEN	100	OPEN	100	100	100
R6613	5.6k	OPEN	5.6k	OPEN	5.6k	5.6k	5.6k
R6614	10k	OPEN	10k	OPEN	10k	10k	10k
C6611	22/6.3	OPEN	22/6.3	OPEN	22/6.3	22/6.3	22/6.3
R6502	3.3k	10k	3.3k	10k	3.3k	3.3k	3.3k
R6505	3.3k	10k	3.3k	10k	3.3k	3.3k	3.3k

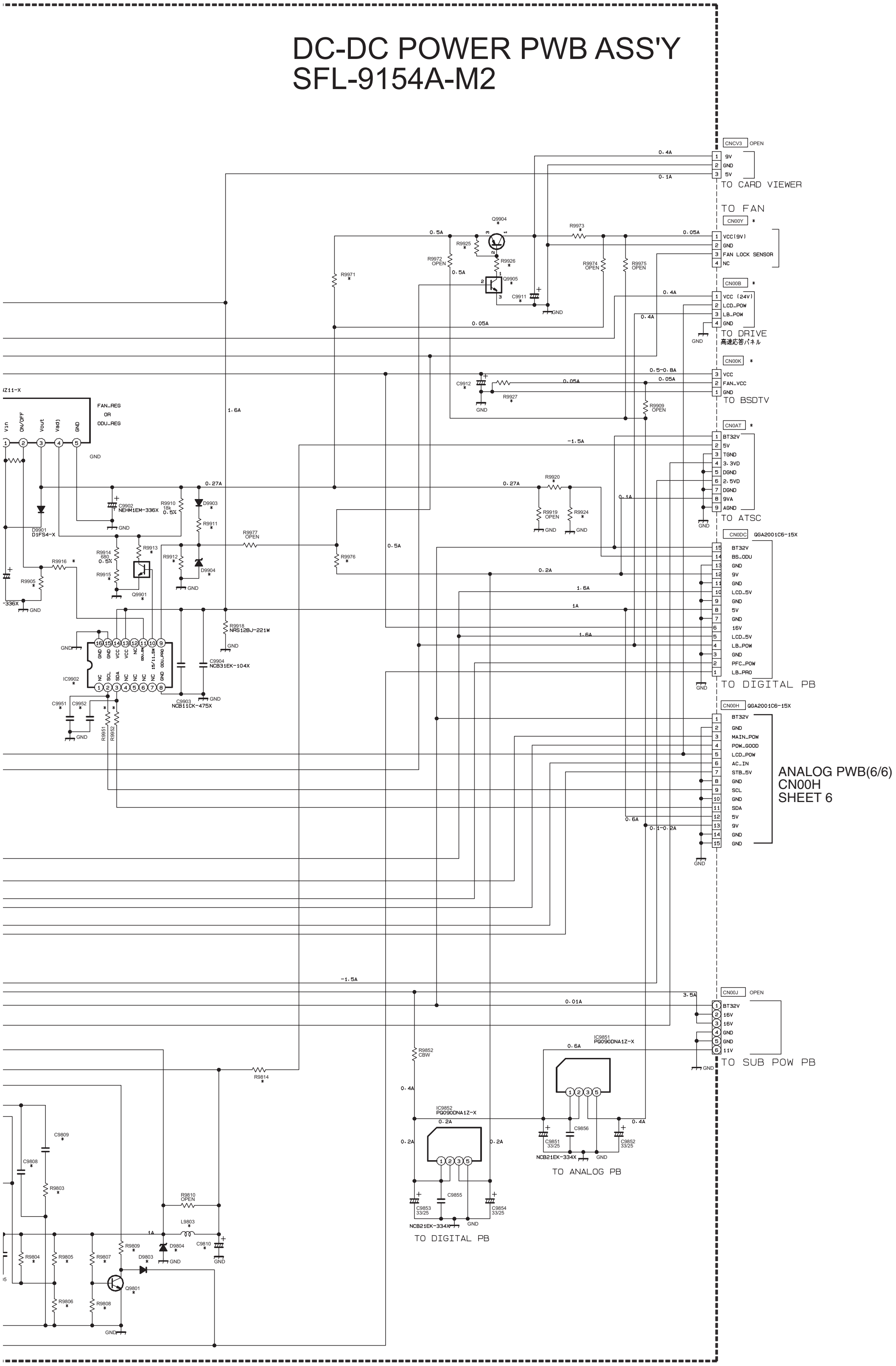
c10460001a001_0410_1/1_0.0

DC-DC PWB CIRCUIT DIAGRAM SHEET 27



POWER PWB
CN00A
SHEET 23
CN10A
QGA2001C6-15X
MAIN_POW
LB_POW
PFC_POW
POW_GOOD
LB_PRO
AC_IN
STB_5V
24V
24V
16V
16V
GND
GND
GND
BT32V
5V
IC9601
MP2363DN-X
LCD_REG
IC9602
3.3V
IC9701
2.5V
IC9751
ATSC5V
IC9801
IC9981
IC9901
PQ20WZ11-X
L9602
NQL08CM-150X
L9972
NQR0562-003X
NEHM0JM-107X
D9604
PTZ6.8B-X
Q9601
NPN
Q9651
D9602
MA111-X
1SS355W-X
D9603
MA8030/H/-X
/UDZS3.0B-X
NEHM1HM-105X
NCJ41HK-335X-U
NCJ41CK-226X-U
EC30HA04-X
QEHR0JM-108Z
NEHM1EM-336X
LCD_POW
LB_POW
LCD5V
PROTECT
0.7A
0.85A
1.5A
0.8A
1.8A
2A
2.65A
-2.6A
-4.5A
1.1A
16V
0.5A
1A
2.9A
10mA
3.3V
1.3A
0.3A
24V
GND

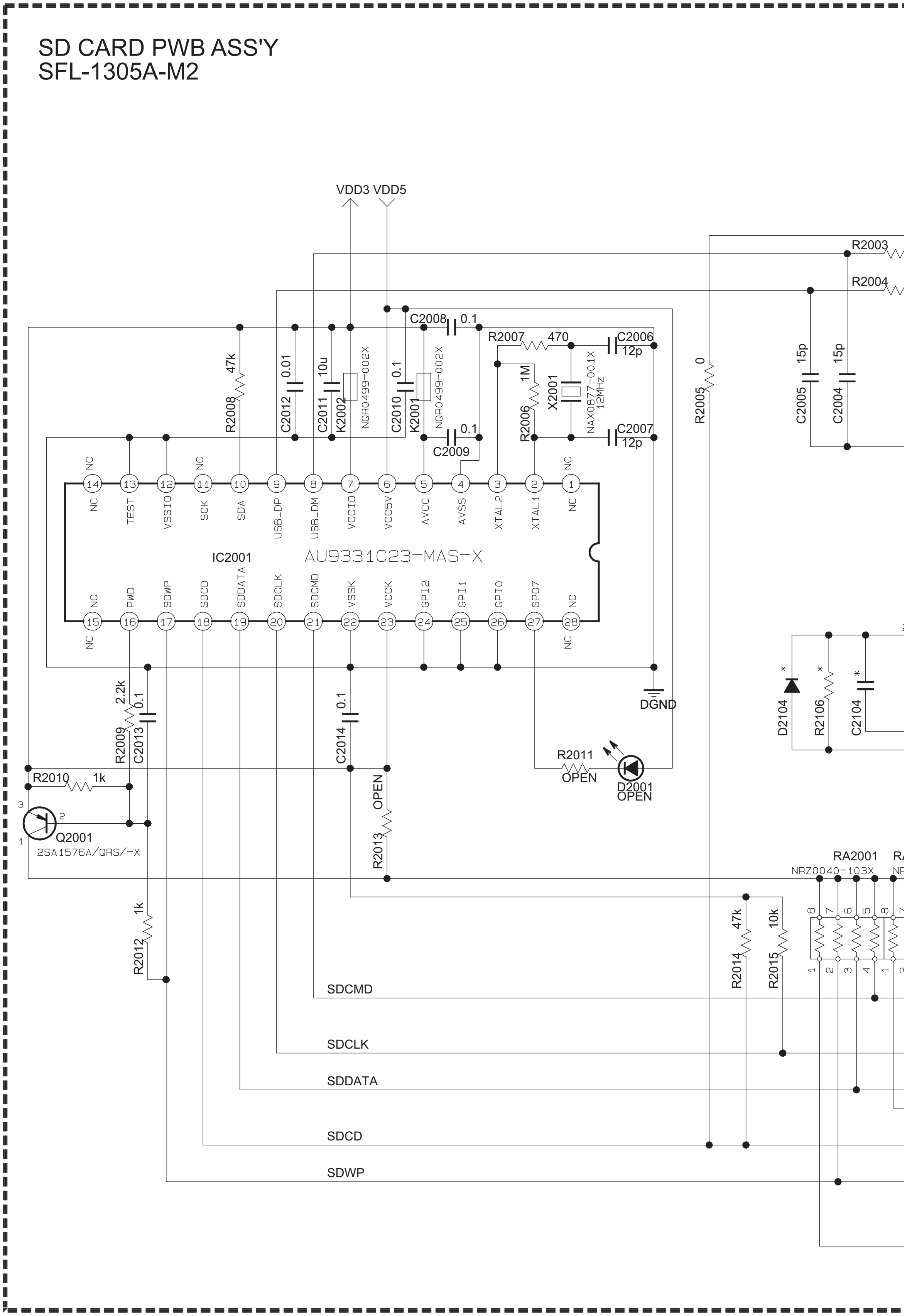
DC-DC POWER PWB ASS'Y
SFL-9154A-M2

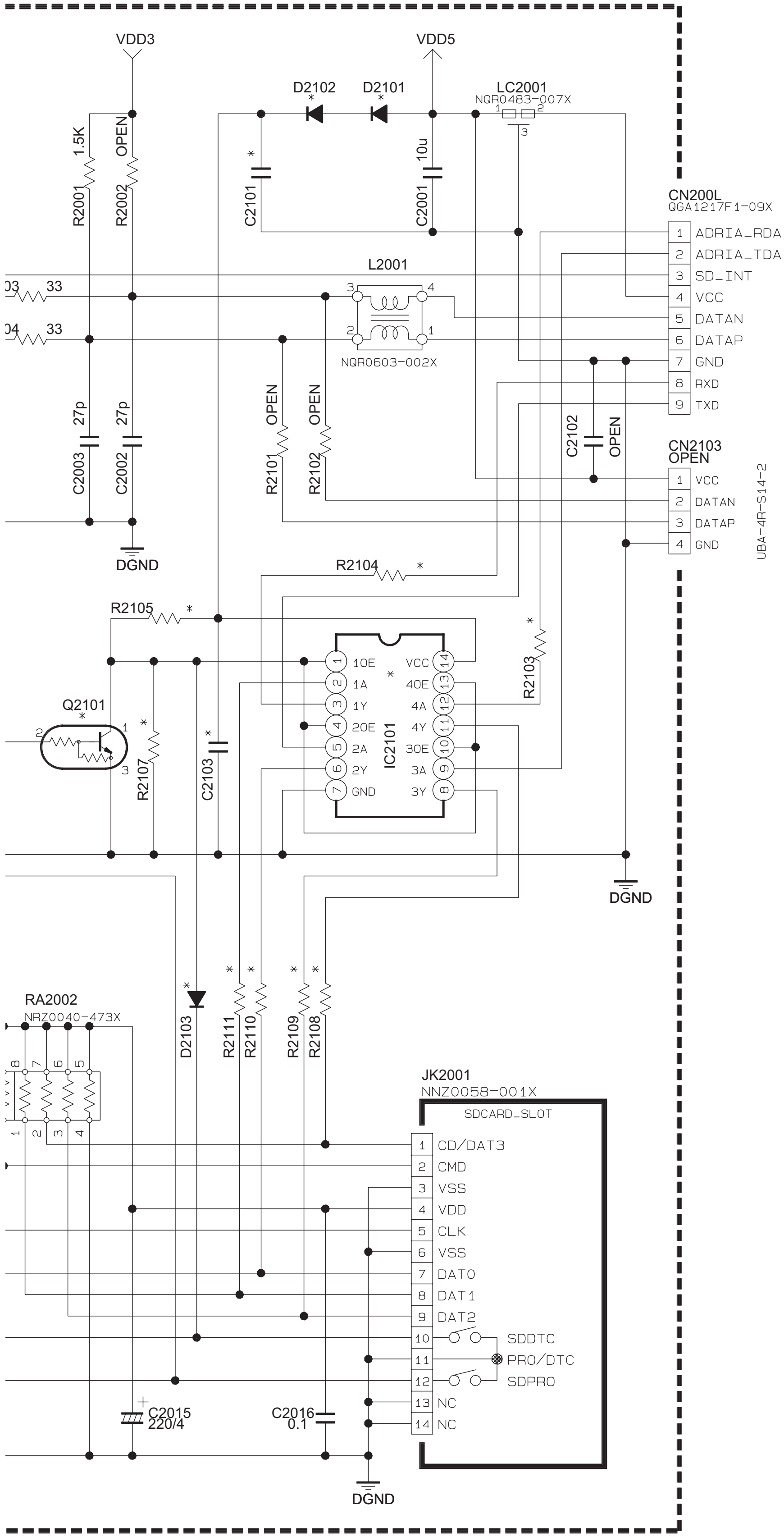


CNCV3 OPEN
9V
GND
5V
TO CARD VIEWER
TO FAN
CN00Y *
VCC(9V)
GND
FAN LOCK SENSOR
NC
CN00B *
VCC (24V)
LCD_POW
LB_POW
GND
TO DRIVE
高速応答パネル
CN00K *
VCC
FAN_VCC
GND
TO BSDTV
CN0AT *
BT32V
5V
TGND
3.3VD
DGND
2.5VD
DGND
9VA
AGND
TO ATSC
CN0DC QGA2001C6-15X
BT32V
BS_ODU
GND
9V
GND
LCD_5V
GND
5V
GND
16V
GND
LCD_5V
LB_POW
GND
PFC_POW
LB_PRO
TO DIGITAL PB
CN00H QGA2001C6-15X
BT32V
GND
MAIN_POW
POW_GOOD
LCD_POW
AC_IN
STB_5V
GND
SCL
GND
SDA
5V
9V
GND
GND
ANALOG PWB(6/6)
CN00H
SHEET 6
CN00J OPEN
BT32V
16V
16V
GND
GND
11V
TO SUB POW PB
IC9851 PQ090DNA1Z-X
IC9852 PQ090DNA1Z-X
NCB21EK-334X
TO ANALOG PB
NCB21EK-334X
TO DIGITAL PB
Q9904
Q9905
R9971
R9973
R9972 OPEN
R9925
R9926
R9974 OPEN
R9975 OPEN
C9911
C9912
R9927
R9909 OPEN
R9920
R9919 OPEN
R9924
R9976
R9977 OPEN
FAN_REG
OR
ODU_REG
Vin
ON/OFF
Vout
Vadj
GND
C9902 NEHM1EM-336X
D9901 D1FS4-X
R9910 18k 0.5%
D9903
R9911
R9913
R9914 680 0.5%
R9915
R9912
D9904
Q9901
R9916
R9905
R9918 NRS12BJ-221W
IC9902
C9904 NCB31EK-104X
C9903 NCB11CK-475X
C9951
C9952
R9951
R9952
R9852 CBW
R9814
C9809
C9808
R9803
R9810 OPEN
L9803
C9810
D9804
R9809
D9803
R9804
R9805
R9807
Q9801
R9806
R9808
C9853 33/25
C9855
C9854 33/25
C9851 33/25
C9856
C9852 33/25
0.4A
0.1A
0.5A
0.05A
0.4A
0.05A
0.5-0.8A
1.6A
-1.5A
0.27A
0.27A
0.1A
0.5A
0.2A
1.6A
1A
1.6A
0.6A
0.5-0.8A
-1.5A
3.5A
0.01A
0.6A
0.4A
0.2A
0.2A
0.4A
1A
GND

* DIFFERENCE LIST

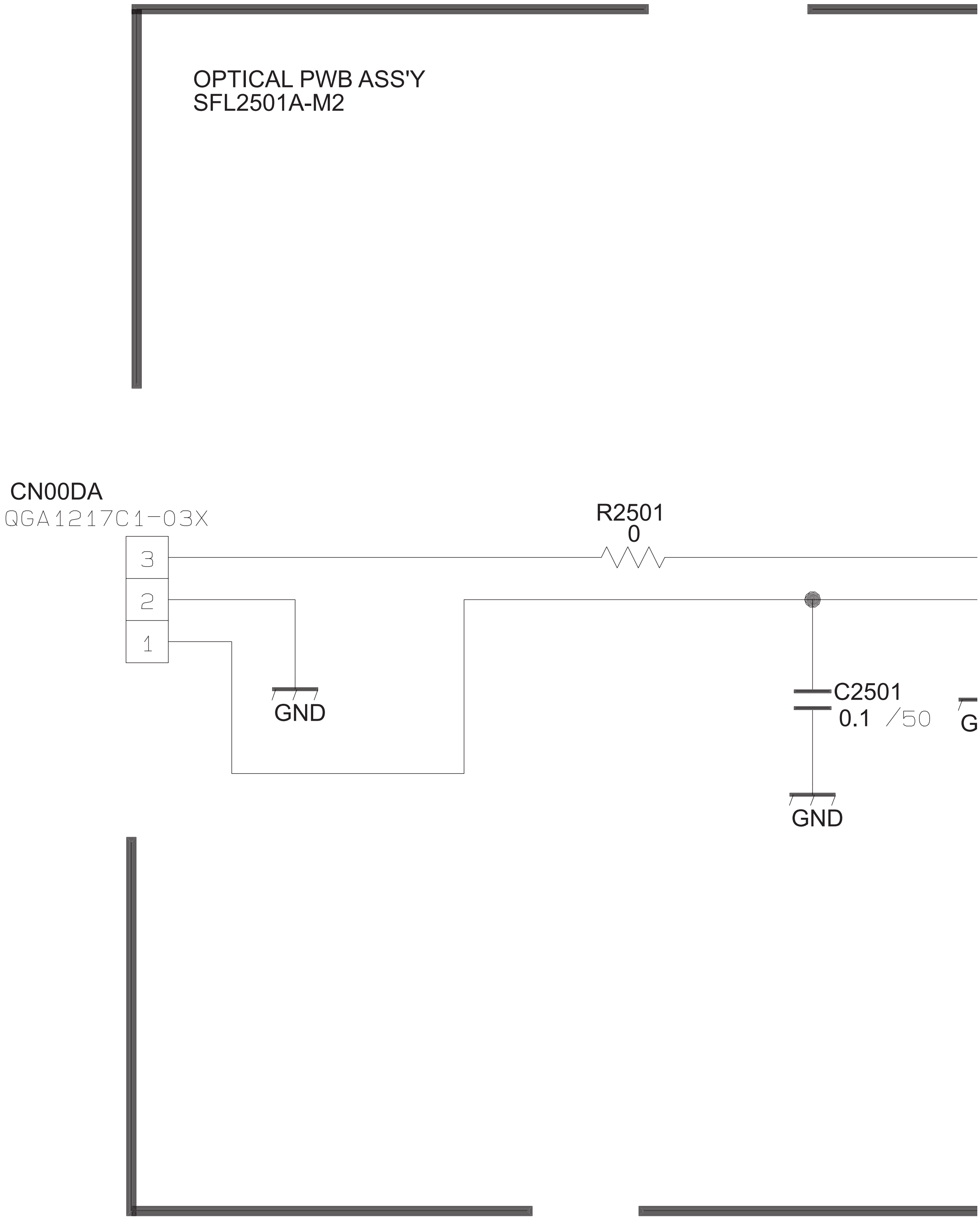
	NOTE.	US32	JPN32	JPN26
	MODEL	LT-32X887 LT-32X667 LT-32X787 LT-32XM57	LT-32LC85	LT-26LC80
	ASSY NO.	LCA90639-01A	LCA90639-05A	LCA90639-02A
	OL NO. / SYMBOL	OLLC10539	OLLC10604-02	OLLC10604
CONNECTOR	CN00Y	QGA2001C6-04X	OPEN	OPEN
	CN00B	OPEN	QGA2001C6-04X	OPEN
	CN00K	OPEN	QGA2001C6-03X	QGA2001C6-03X
	CN0AT	QGA2001C6-09X	OPEN	OPEN
LCD5V	IC9602	MP2363DN-X	OPEN	MP2363DN-X
	Q9651	NPN	OPEN	NPN
	D9652	EC30HA04-X	OPEN	EC30HA04-X
	D9653	EC30HA04-X	OPEN	EC30HA04-X
	D9654	PTZ16B-X	OPEN	PTZ6.8B-X
	D9655	MA111-X/1SS355W-X	OPEN	MA111-X/1SS355W-X
	D9656	EC30HA04-X	OPEN	EC30HA04-X
	L9651	NQR0562-003X	OPEN	NQR0562-003X
	L9652	NQLC8CM-560X	OPEN	NQLC8CM-150X
	R9651	CBW	OPEN	CBW
	R9652	CBW	OPEN	CBW
	R9653	5.6k	OPEN	5.6k
	R9654	220k 0.5%	OPEN	56k 0.5%
	R9655	270k 0.5%	OPEN	270k 0.5%
	R9656	10k 0.5%	OPEN	10k 0.5%
	R9657	6.8k	OPEN	6.8k
	R9658	1.8k	OPEN	1.8k
	R9659	18k	OPEN	18k
	R9665	OPEN	OPEN	OPEN
	R9666	OPEN	OPEN	OPEN
	R9669	4.7k	OPEN	4.7k
	R9670	100k	OPEN	100k
	R9671	NRSA02J-332X	OPEN	OPEN
	R9688	0	OPEN	0
	C9651	NCJ41HK-335X-U	OPEN	NCJ41HK-335X-U
	C9652	0.01	OPEN	0.01
	C9653	NCJ41EK-106X-U	OPEN	OPEN
	C9654	NCJ41EK-106X-U	OPEN	NCJ41CK-226X-U
	C9655	NCJ41EK-106X-U	OPEN	NCJ41CK-226X-U
	C9656	0.1	OPEN	0.1
	C9657	0.0022	OPEN	0.001
	C9658	0.0033	OPEN	0.0047
	C9660	NEX61CM-686X	OPEN	NEX60JM-227X
	C9662	NCJ41HK-335X-U	OPEN	NCJ41HK-335X-U
16V	IC9801	MP2363DN-X	OPEN	OPEN
	R9801	CBW	OPEN	OPEN
	R9802	0	OPEN	OPEN
	R9803	3.3k	OPEN	OPEN
	R9804	56k 0.5%	OPEN	OPEN
	R9805	270k 0.5%	OPEN	OPEN
	R9806	10k 0.5%	OPEN	OPEN
	R9807	6.8k	OPEN	OPEN
	R9808	1.8k	OPEN	OPEN
	R9809	18k	OPEN	OPEN
	R9812	CBW	OPEN	OPEN
	R9814	CBW	OPEN	OPEN
	R9815	33k	OPEN	OPEN
	C9801	NCJ41HK-335X-U	OPEN	OPEN
	C9802	NCJ41HK-335X-U	OPEN	OPEN
	C9803	0.01	OPEN	OPEN
	C9804	NCJ41CK-226X-U	OPEN	OPEN
	C9805	NCJ41CK-226X-U	OPEN	OPEN
	C9806	0.1	OPEN	OPEN
	C9808	NDC31HJ-101X	OPEN	OPEN
	C9809	0.01	OPEN	OPEN
	C9810	QEHR0JM-108Z	OPEN	OPEN
	D9801	EC30HA04-X	OPEN	OPEN
	D9802	EC30HA04-X	OPEN	OPEN
	D9803	MA111-X/1SS355W-X	OPEN	OPEN
	D9804	PTZ6.8B-X	OPEN	OPEN
	L9802	NQLC8CM-150X	OPEN	OPEN
	L9803	NQR0562-003X	OPEN	OPEN
	Q9801	NPN	OPEN	OPEN
FAN OR ODU	IC9902	OPEN	M62320FP-X	M62320FP-X
	Q9901	OPEN	UN2213-X	UN2213-X
	D9903	OPEN	MA111-X/1SS355W-X	MA111-X/1SS355W-X
	D9904	OPEN	UDZS5.1B-X	UDZS5.1B-X
	D9905	MA111-X/1SS355W-X	OPEN	OPEN
	R9902	0	OPEN	OPEN
	R9905	OPEN	100k	100k
	R9911	OPEN	12k	12k
	R9912	OPEN	10k	10k
	R9913	OPEN	12k 0.5%	12k 0.5%
	R9915	6.8k 0.5%	4.7k 0.5%	4.7k 0.5%
	R9916	OPEN	10k	10k
	R9920	OPEN	CBW	CBW
	R9924	0	OPEN	OPEN
	R9951	OPEN	100	100
	R9952	OPEN	100	100
	C9951	OPEN	NDC31HJ-680X	NDC31HJ-680X
	C9952	OPEN	NDC31HJ-680X	NDC31HJ-680X
FAN	Q9904	2SB1188/QR/-W	OPEN	OPEN
	R9925	47k	OPEN	OPEN
	R9926	NRSA02J-222X	OPEN	OPEN
	Q9905	UN2213-X/RT1N441C-X	OPEN	OPEN
	C9911	NBZ0017-106X	OPEN	OPEN
	C9912	OPEN	NBZ0017-106X	NBZ0017-106X
	R9927	OPEN	0	0
	R9971	CBW	OPEN	OPEN
	R9973	CBW	OPEN	OPEN
	R9976	5.6k	OPEN	OPEN
	R9977	OPEN	OPEN	OPEN
3.3V	IC9701	MP2363DN-X	OPEN	OPEN
	R9701	NRSA02J-181X	OPEN	OPEN
	R9703	CBW	OPEN	OPEN
	R9704	3.3k	OPEN	OPEN
	R9707	27k 0.5%	OPEN	OPEN
	R9710	10k 0.5%	OPEN	OPEN
	C9701	NCJ41EK-106X-U	OPEN	OPEN
	C9702	QEHR0JM-228Z	OPEN	OPEN
	C9703	0.01	OPEN	OPEN
	C9704	NCJ41CK-226X-U	OPEN	OPEN
	C9705	NCJ41CK-226X-U	OPEN	OPEN
	C9706	NDC31HJ-101X	OPEN	OPEN
	C9707	0.01	OPEN	OPEN
	C9708	0.1	OPEN	OPEN
	L9701	NQLC8CM-150X	OPEN	OPEN
	D9701	EC30HA03L-X	OPEN	OPEN
	D9702	EC30HA03L-X	OPEN	OPEN
	D9703	PTZ3.9B-X	OPEN	OPEN
2.5V	IC9751	MP2363DN-X	OPEN	OPEN
	R9751	CBW	OPEN	OPEN
	R9752	3.3k	OPEN	OPEN
	R9753	22k 0.5%	OPEN	OPEN
	R9754	100k 0.5%	OPEN	OPEN
	R9755	10k 0.5%	OPEN	OPEN
	R9756	NRSA02J-181X	OPEN	OPEN
	R9757	33k	OPEN	OPEN
	C9751	NCB31CK-184X	OPEN	OPEN
	C9752	0.01	OPEN	OPEN
	C9753	NCJ41EK-106X-U	OPEN	OPEN
	C9754	NCJ41CK-226X-U	OPEN	OPEN
	C9755	NCJ41CK-226X-U	OPEN	OPEN
	C9756	NDC31HJ-101X	OPEN	OPEN
	C9757	0.01	OPEN	OPEN
	C9758	QEHR0JM-228Z	OPEN	OPEN
	D9751	EC30HA03L-X	OPEN	OPEN
	D9752	EC30HA03L-X	OPEN	OPEN
	D9753	PTZ3.9B-X	OPEN	OPEN
	L9751	NQLC8CM-150X	OPEN	OPEN

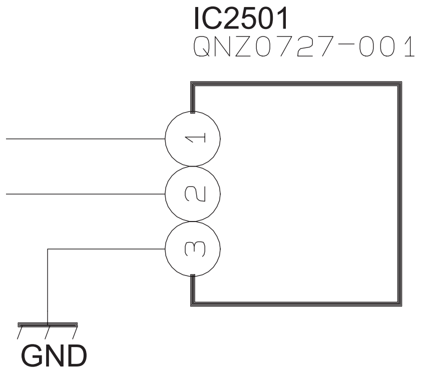

SD CARD PWB ASS'Y
SFL-1305A-M2
VDD3 VDD5
R2003
R2004
C2008
0.1
R2007
470
C2006
12p
C2007
12p
C2009
0.1
R2008
47k
C2012
0.01
C2011
10u
K2002
NQR0499-002X
C2010
0.1
K2001
NQR0499-002X
R2006
1M
X2001
NAX0877-001X
12MHz
R2005
0
C2005
15p
C2004
15p
IC2001
AU9331C23-MAS-X
NC
TEST
VSSIO
SCK
SDA
USB_DP
USB_DM
VCCIO
VCC5V
AVCC
AVSS
XTAL2
XTAL1
NC
NC
PWD
SDWP
SDCD
SDDATA
SDCLK
SDCMD
VSSK
VCCK
GPI2
GPI1
GPIO
GPO7
NC
DGND
D2104
R2106
C2104
R2009
2.2k
C2013
0.1
C2014
0.1
R2010
1k
Q2001
2SA1576A/QRS/-X
R2011
OPEN
D2001
OPEN
R2013
OPEN
RA2001
NRZ0040-103X
R2012
1k
R2014
47k
R2015
10k
SDCMD
SDCLK
SDDATA
SDCD
SDWP


VDD3
VDD5
D2102
D2101
LC2001
NQR0483-007X
R2001
1.5K
R2002
OPEN
C2101
C2001
10u
CN200L
QGA1217F1-09X
1 ADRIA_RDA
2 ADRIA_TDA
3 SD_INT
4 VCC
5 DATAN
6 DATAP
7 GND
8 RXD
9 TXD
L2001
NQR0603-002X
33
33
C2003
27p
C2002
27p
R2101
OPEN
R2102
OPEN
C2102
OPEN
CN2103
OPEN
1 VCC
2 DATAN
3 DATAP
4 GND
UBA-4R-S14-2
DGND
R2104
R2105
R2103
Q2101
R2107
C2103
IC2101
1OE
1A
1Y
2OE
2A
2Y
GND
VCC
4OE
4A
4Y
3OE
3A
3Y
DGND
RA2002
NRZ0040-473X
D2103
R2111
R2110
R2109
R2108
JK2001
NNZ0058-001X
SDCARD_SLOT
1 CD/DAT3
2 CMD
3 VSS
4 VDD
5 CLK
6 VSS
7 DAT0
8 DAT1
9 DAT2
10 SDDTC
11 PRO/DTC
12 SDPRO
13 NC
14 NC
C2015
220/4
C2016
0.1
DGND

*DIFFERENCE LIST

NOTE	JPN	US
ASSY NO.	SFL-1304A	SFL-1305A
	0LLC10560	0LLC10560 -02
IC2101	SN74LVC126APW-X	OPEN
Q2101	RT1N441C-X	OPEN
D2101	1SS355W-X	OPEN
D2102	1SS355W-X	OPEN
D2103	1SS355W-X	OPEN
D2104	1SS355W-X	OPEN
C2101	NCB11CK-225X	OPEN
C2103	NCF31CZ-104X	OPEN
C2104	NCF31AZ-105X	OPEN
R2103	33	OPEN
R2104	33	OPEN
R2105	10K	OPEN
R2106	1K	OPEN
R2107	47K	OPEN
R2108	33	OPEN
R2109	33	OPEN
R2110	33	OPEN
R2111	33	OPEN

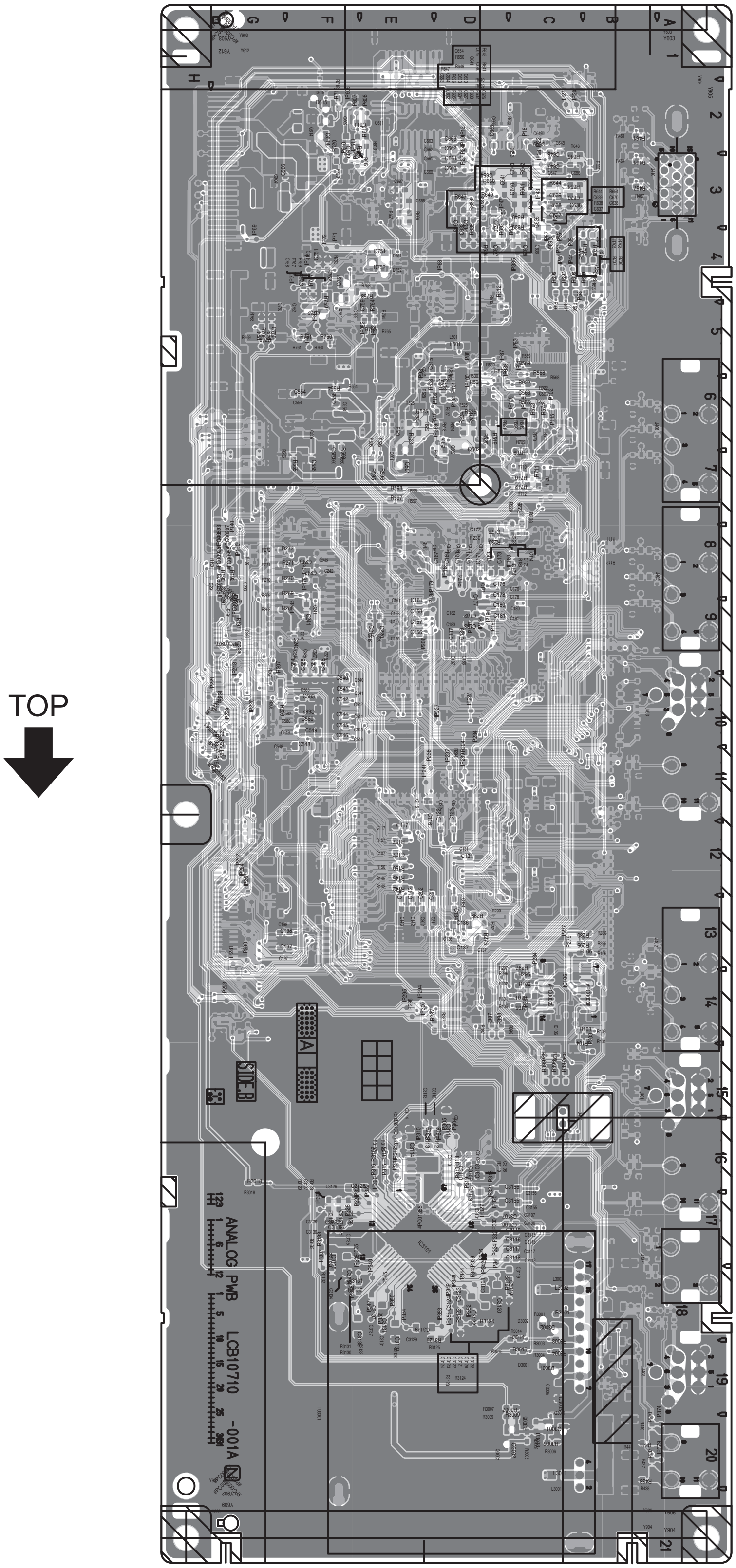

OPTICAL PWB ASS'Y
SFL2501A-M2
CN00DA
QGA1217C1-03X
3
2
1
GND
R2501
0
C2501
0.1 /50
GND
G


IC2501
QNZ0727-001
1
2
3
GND

c40090a001_0427_1/1_0.0

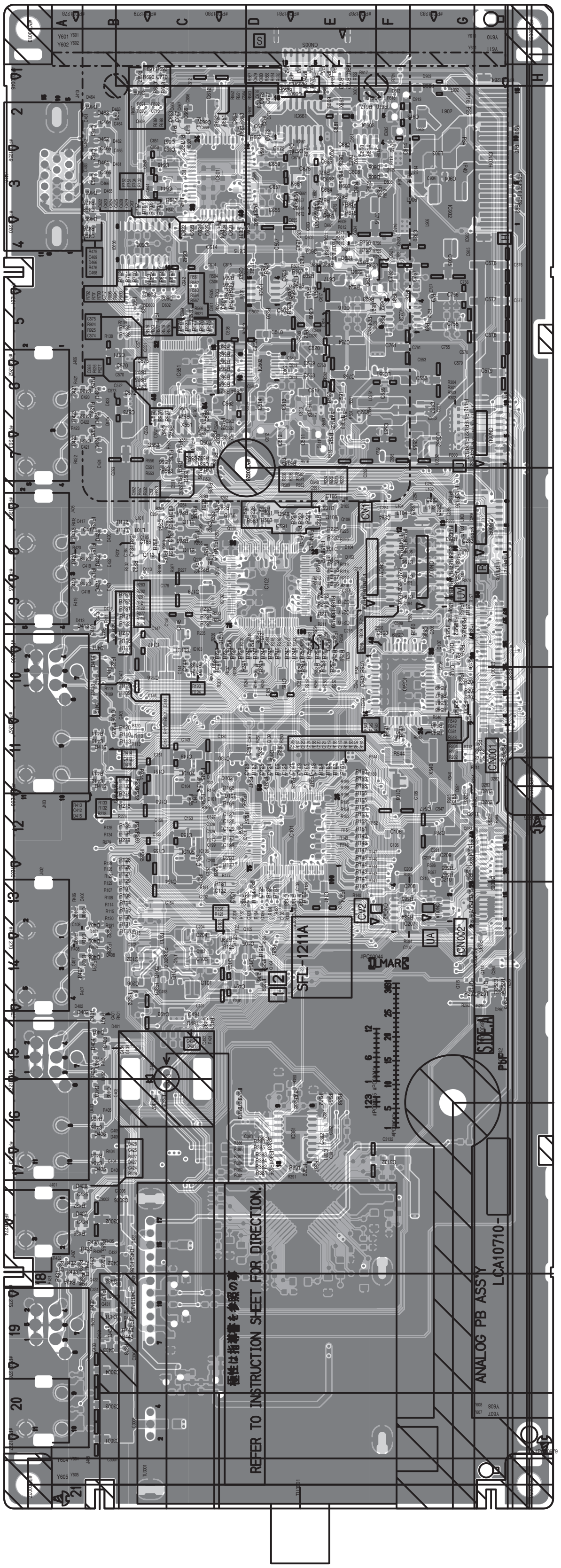
PATTERN DIAGRAMS

ANALOG PWB PATTERN [SOLDER SIDE]


TOP
A
B
C
D
E
F
G
H
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
ANALOG PWB LCB10710 -001A
SIDE B
A

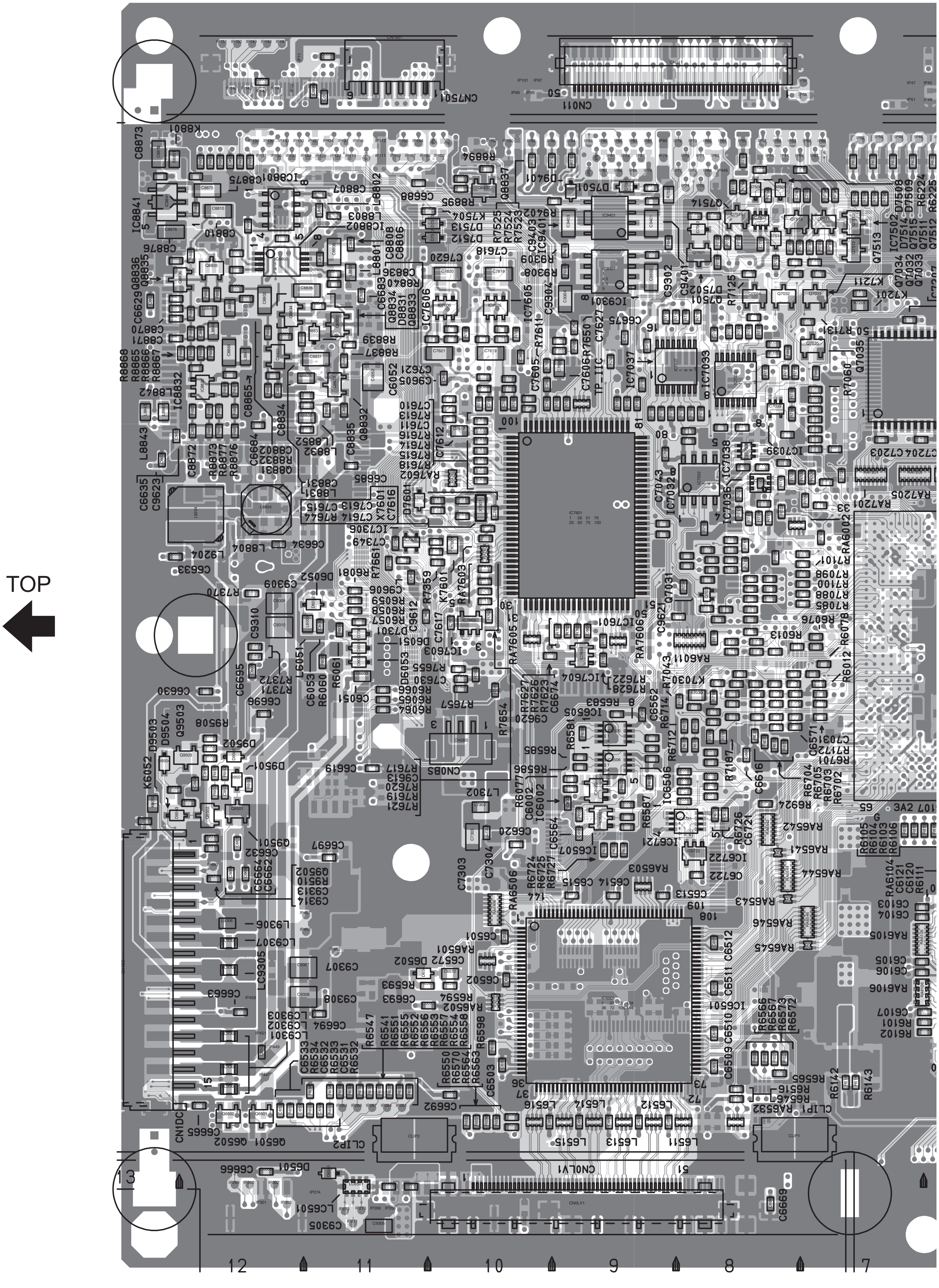
ANALOG PWB PATTERN [PARTS SIDE]

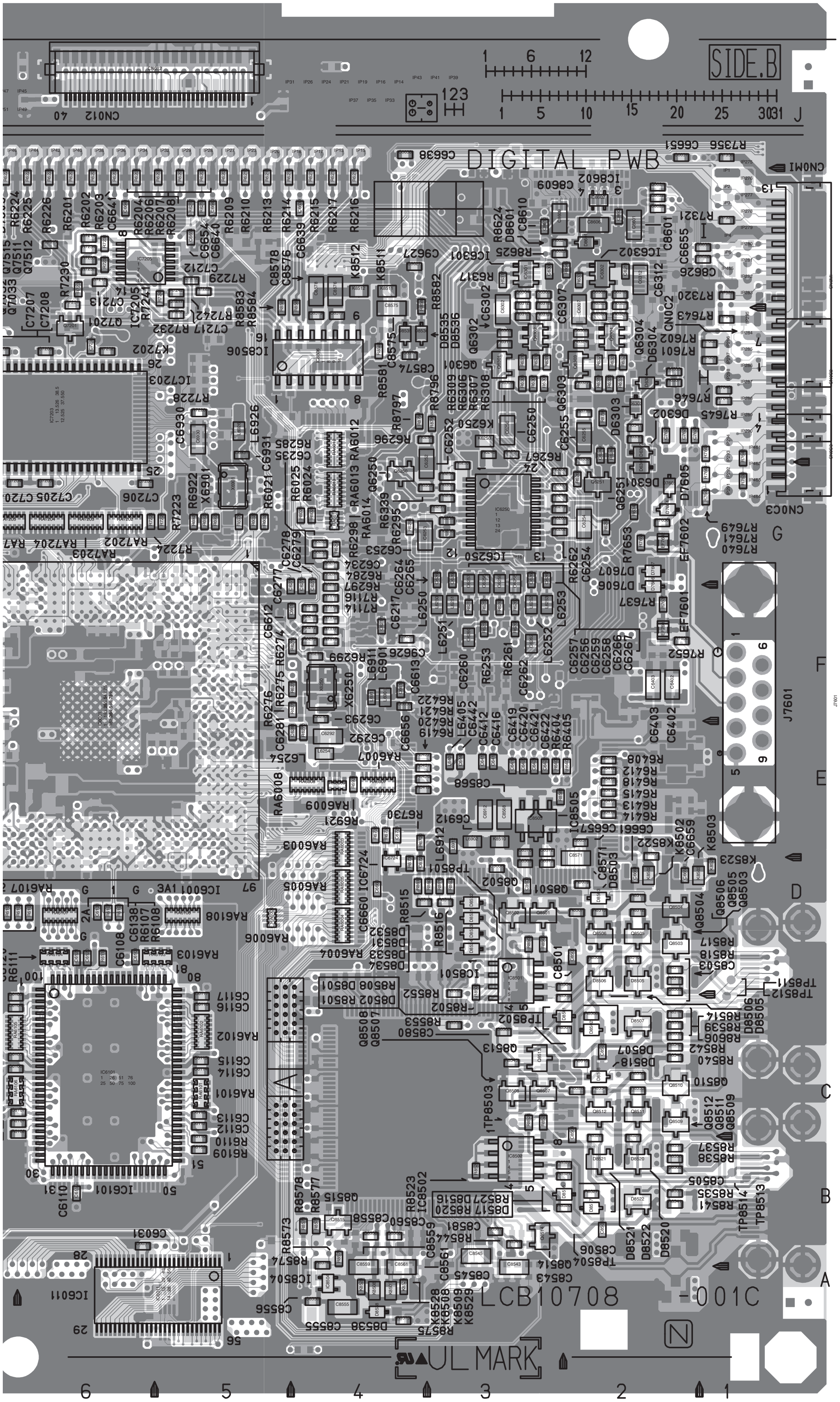
CAUTION :
FOR CONTINUED PROTECTION AGAINST FIRE HAZARD,
REPLACE ONLY WITH SAME TYPE AND RATED FUSE(S)
AND ROHM'S MFR'S TYPE CP(S).


A
B
C
D
E
F
G
H
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
CV1
CV2
UA
CN001
CN002
SFL-1211A
SIDE-A
PbF
極性は指導書を参照の事
REFER TO INSTRUCTION SHEET FOR DIRECTION.
ANALOG PB ASS'Y
LCA10710-

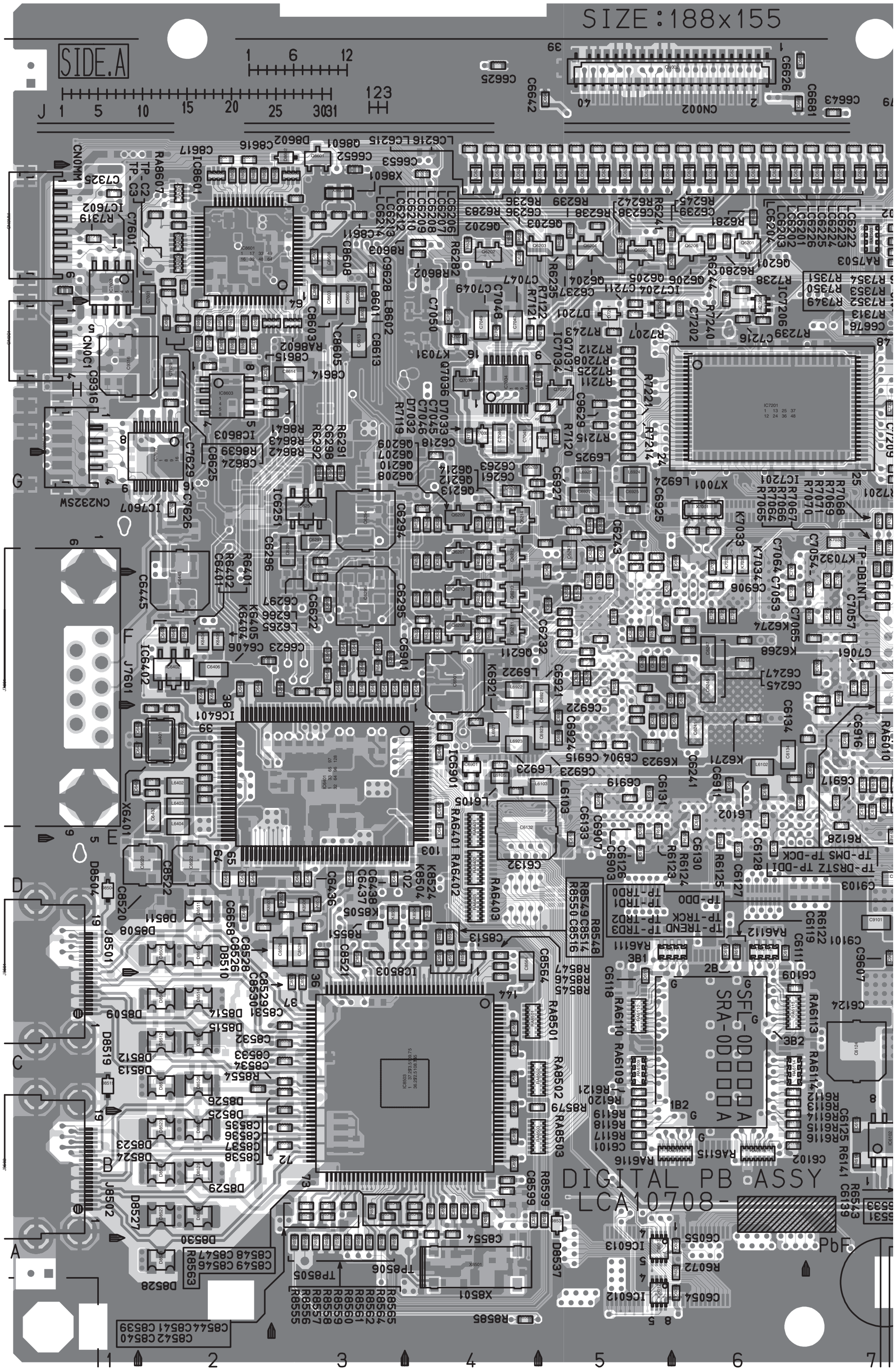
TOP

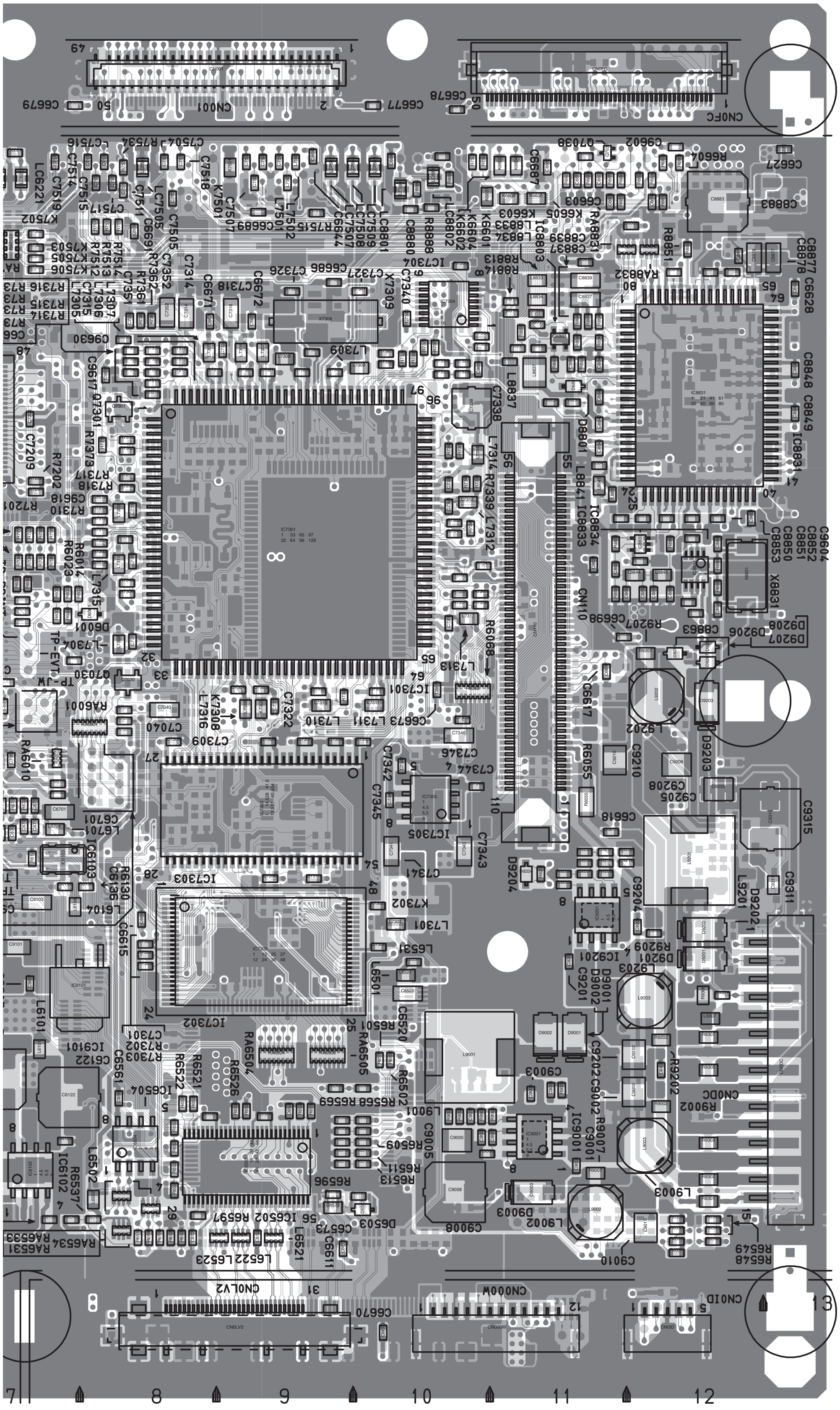
DIGITAL PWB PATTERN [SOLDER SIDE]


TOP
12
11
10
9
8
7
CN7501
CN011
CN0LV1
CN1DC
IC7601
IC6501

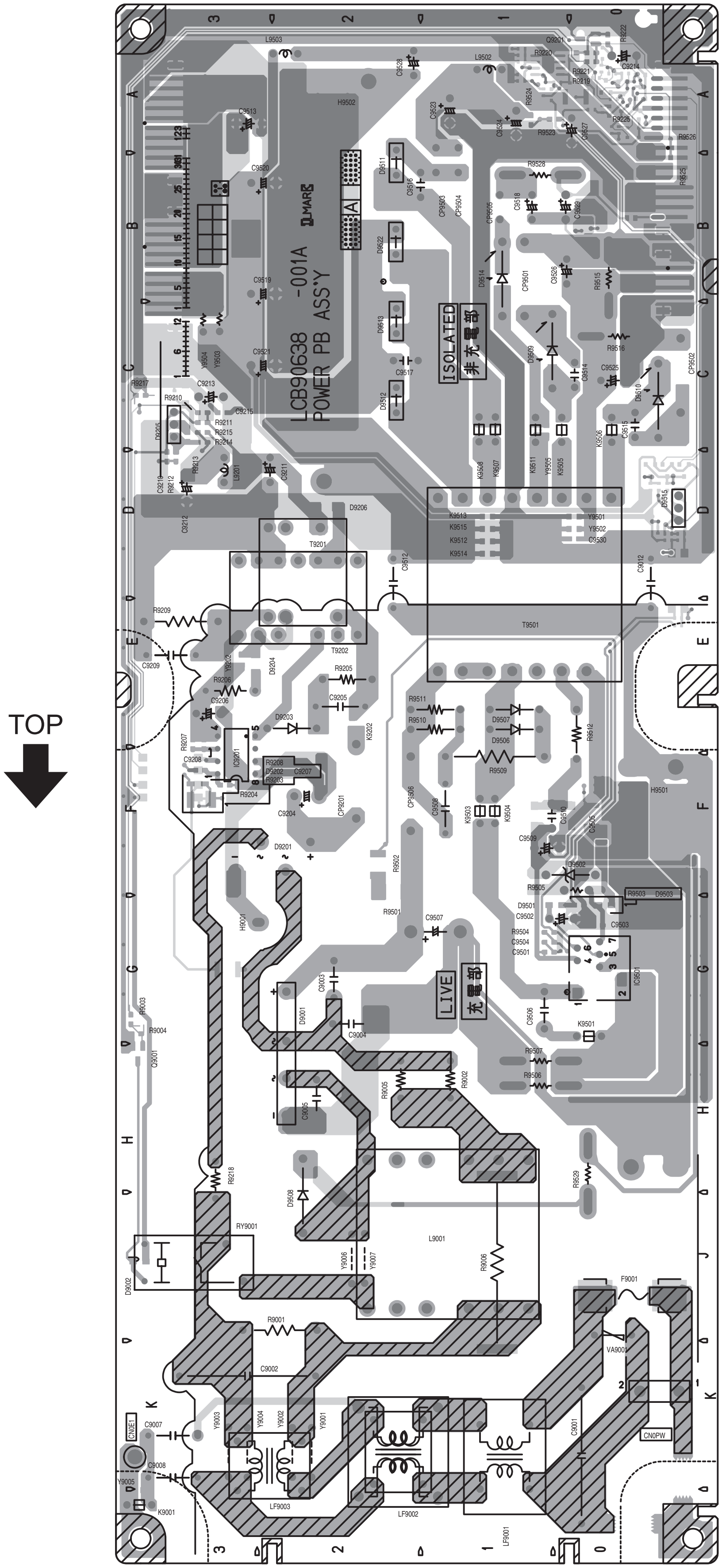

SIDE.B
DIGITAL PWB
LCB10708
-001C
UL MARK
CN012
CNOM1
CNOC3
CNOC2
J7601
IC6250
IC6101
IC6011
IC8501
IC8502
IC8506
IC7203
IC6001
A
B
C
D
E
F
G
J
6
5
4
3
2
1

DIGITAL PWB PATTERN [PARTS SIDE]

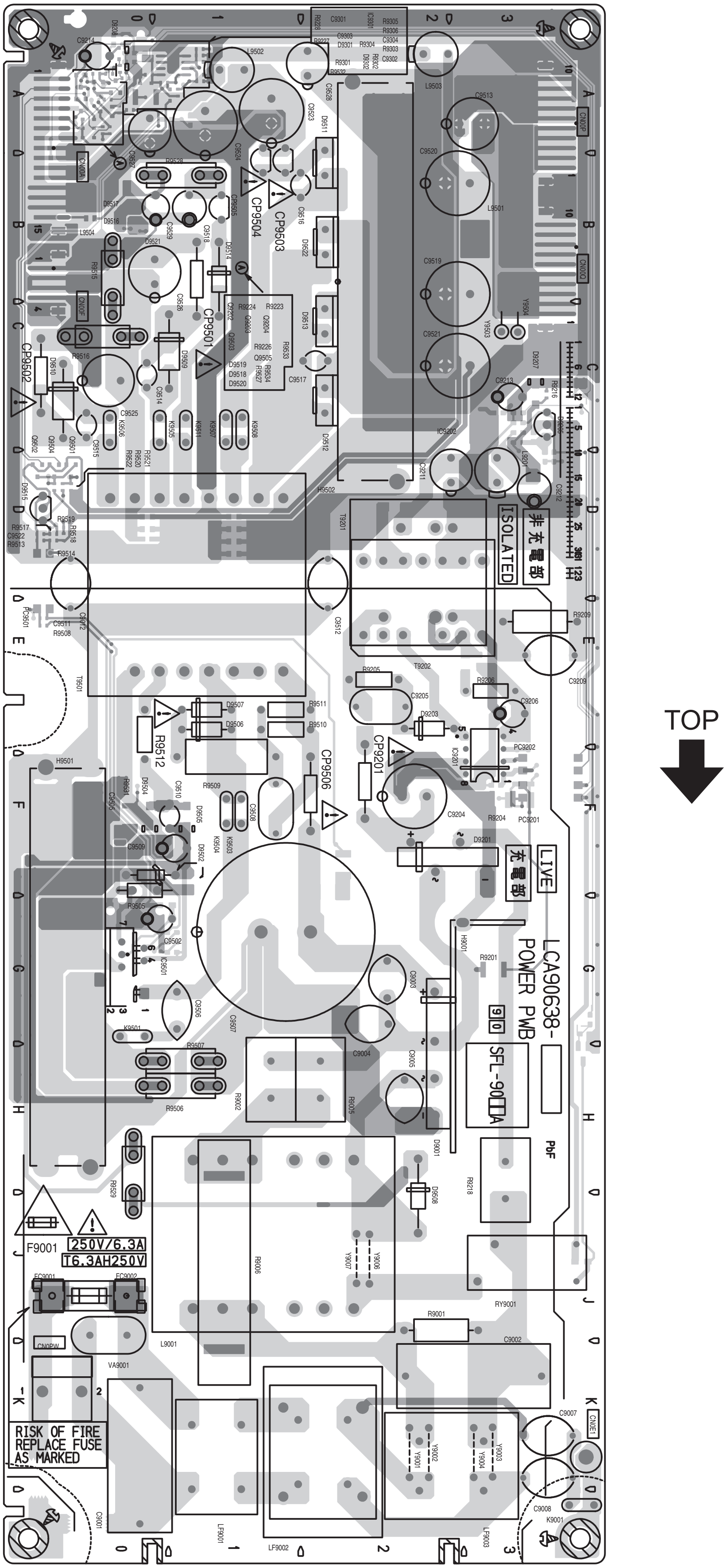

SIZE:188x155
SIDE.A
DIGITAL PB ASSY
LCA10708-
PbF
CN002
CN2325W
J7601
J8501
J8502
IC6401
IC8503
IC7201
IC8601
IC8603
X6401
X8501
X7001
SFL-0D
SRA-0D
1
2
3
4
5
6
7
A
B
C
D
E
F
G
J


TOP

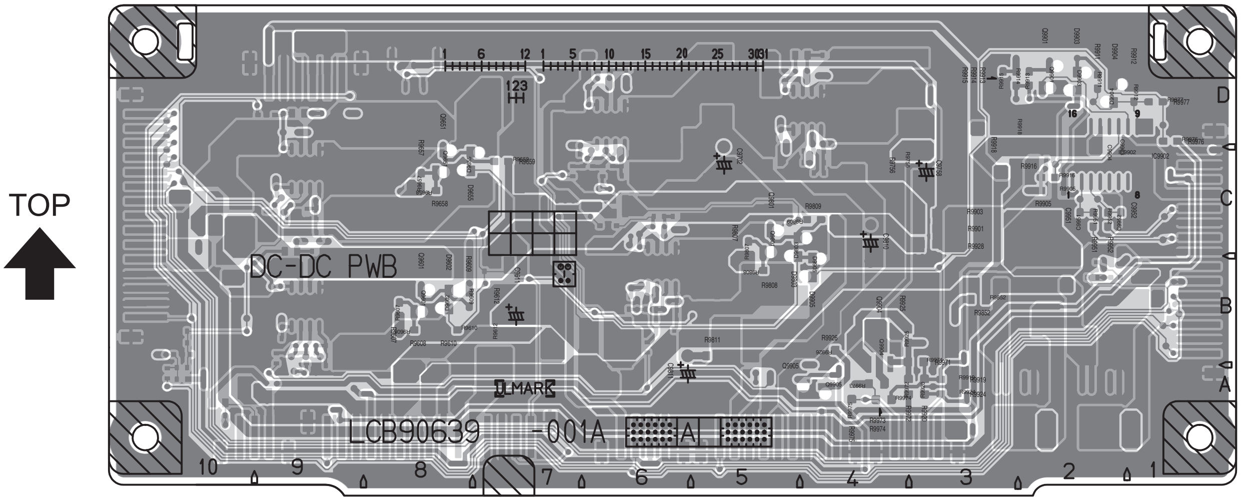
POWER PWB PATTERN [SOLDER SIDE]


TOP
LCB90638 -001A
POWER PB ASS'Y
ISOLATED
非充電部
LIVE
充電部
L9503
L9502
Q9201
R9222
R9220
C9214
R9221
R9219
C9528
H9502
C9523
R9524
C9524
R9523
C9527
R9225
R9526
C9513
C9520
D9511
C9516
CP9503
CP9504
CP9505
R9528
C9518
C9522
R9525
D9522
D9514
CP9501
C9526
R9515
C9519
C9521
D9513
D9509
R9516
C9517
C9514
C9525
D9510
CP9502
D9512
Y9504
Y9503
R9217
R9210
C9213
C9215
D9205
R9211
R9215
R9214
R9213
R9212
L9201
C9211
C9210
C9212
K9508
K9507
K9511
Y9505
K9505
K9506
C9515
D9515
D9206
K9513
K9515
K9512
K9514
Y9501
Y9502
C9530
T9201
C9512
C9012
R9209
T9202
T9501
C9209
R9202
D9204
R9205
R9206
C9206
C9205
R9511
R9510
D9507
D9506
R9512
D9203
K9202
R9207
IC9201
C9208
R9208
D9202
C9207
R9203
R9204
R9509
C9204
CP9201
CP9506
C9508
K9503
K9504
H9501
C9510
C9505
C9509
D9201
R9502
D9502
R9505
R9503
D9503
D9501
C9502
R9501
C9507
H9001
R9504
C9504
C9501
C9503
IC9501
C9003
D9001
C9004
C9506
K9501
R9003
R9004
Q9001
R9507
R9506
R9005
R9002
C9005
R9218
R9529
D9508
RY9001
L9001
Y9006
Y9007
R9006
D9002
F9001
R9001
VA9001
C9002
CN0E1
C9007
Y9003
Y9004
Y9002
Y9001
C9001
CN0PW
C9008
Y9005
K9001
LF9003
LF9002
LF9001
A
B
C
D
E
F
G
H
J
K
0
1
2
3

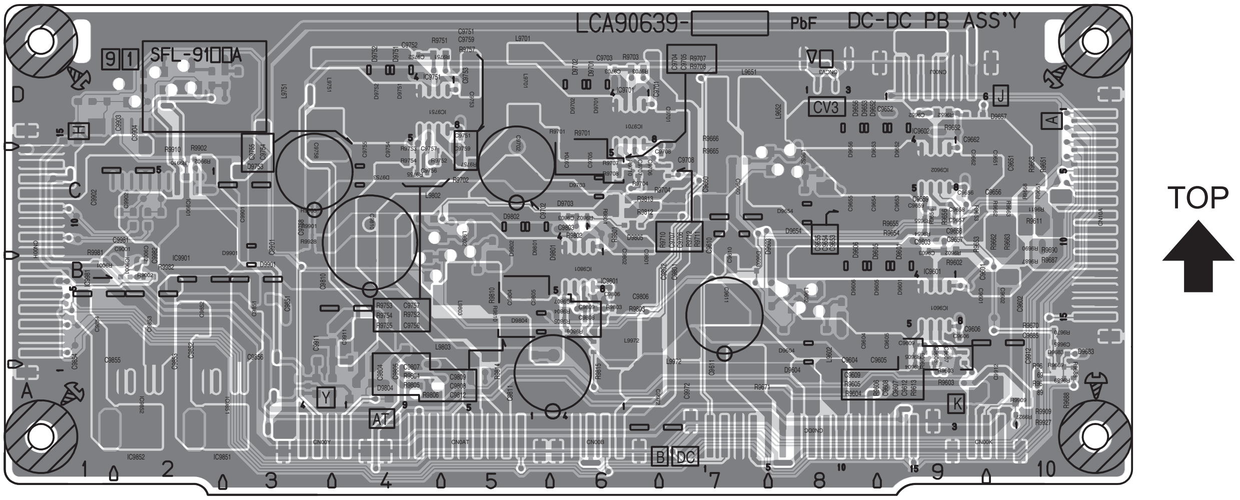
POWER PWB PATTERN [PARTS SIDE]


TOP
LCA90638-
POWER PWB
SFL-90□□A
ISOLATED
非充電部
LIVE
充電部
F9001
250V/6.3A
T6.3AH250V
RISK OF FIRE
REPLACE FUSE
AS MARKED
CP9501
CP9502
CP9503
CP9504
CP9506
CP9201
R9512
T9201
T9202
T9501
H9501
H9502
IC9202
IC9501
L9001
L9501
L9502
L9503
L9504
LF9001
LF9002
LF9003
RY9001
VA9001
PbF
A
B
C
D
E
F
G
H
J
K
0
1
2
3

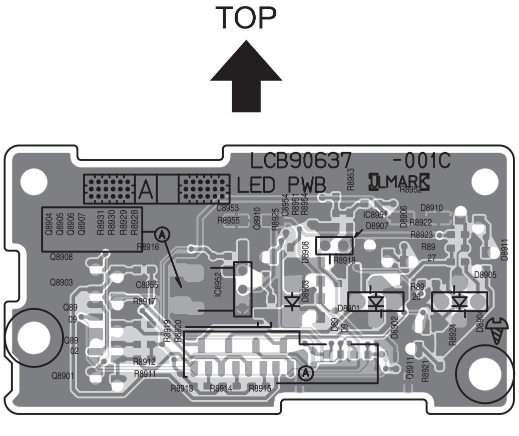
DC-DC PWB PATTERN [SOLDER SIDE]


TOP
DC-DC PWB
LCB90639 -001A
A
B
C
D
1
2
3
4
5
6
7
8
9
10

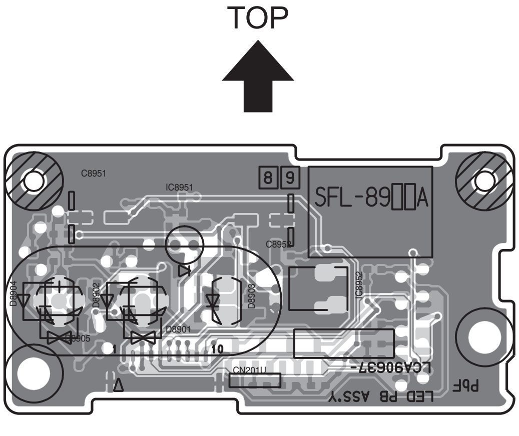
DC-DC PWB PATTERN [PARTS SIDE]


LCA90639-
PbF
DC-DC PB ASS'Y
SFL-91□□A
TOP
A
B
C
D
1
2
3
4
5
6
7
8
9
10

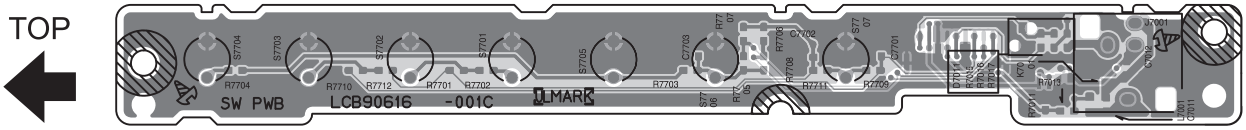
LED PWB PATTERN [SOLDER SIDE]


TOP
LCB90637 -001C
LED PWB
A

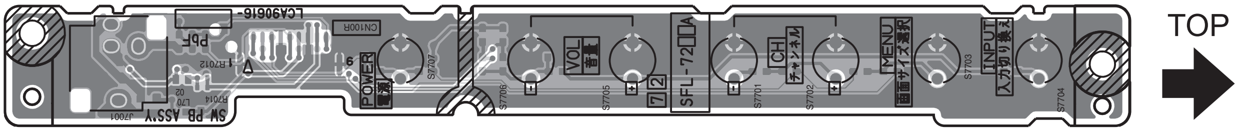
LED PWB PATTERN [PARTS SIDE]


TOP
SFL-89□□A
LCA90637-
LED PB ASS'Y
PbF

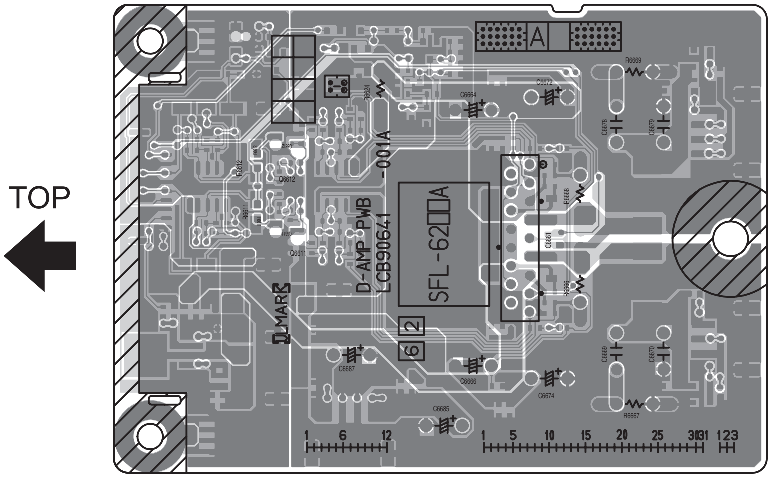
SW PWB PATTERN [SOLDER SIDE]


TOP
SW PWB
LCB90616 -001C
S7704
S7703
S7702
S7701
S7705
C7703
S7707
C7702
C7701
R7704
R7710
R7712
R7701
R7702
R7703
R7711
R7709
J7001

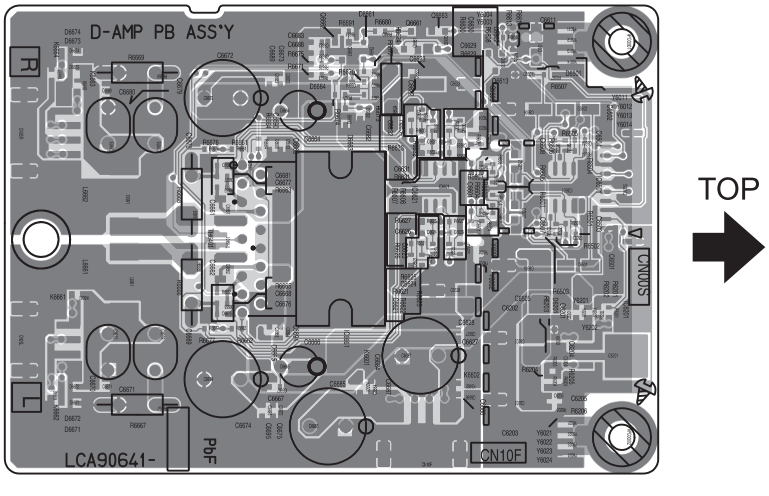
SW PWB PATTERN [PARTS SIDE]


TOP
LCA90616-
PbF
CN100R
SW PB ASS'Y
POWER
VOL
CH
MENU
INPUT
SFL-72□□A
S7707
S7706
S7705
S7701
S7702
S7703
S7704
J7001

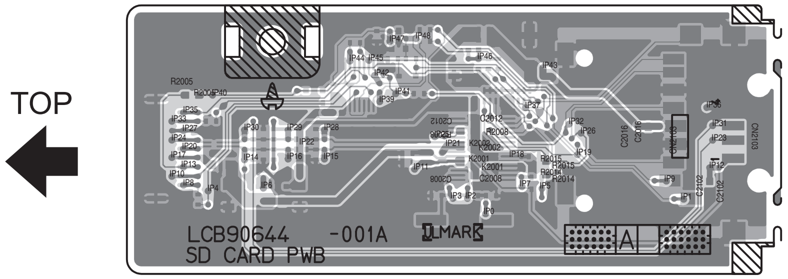
D-AMP PWB PATTERN [SOLDER SIDE]


TOP
A
D-AMP PWB
LCB90641 -001A
SFL-62□□A
6 2
1 6 12
1 5 10 15 20 25 30 31 1 2 3

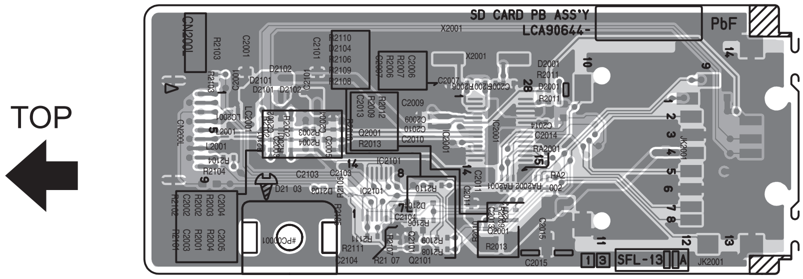
D-AMP PWB PATTERN [PARTS SIDE]


D-AMP PB ASS'Y
TOP
R
L
LCA90641-
PbF
CN005
CN10F

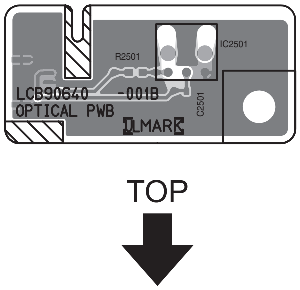
SD CARD PWB PATTERN [SOLDER SIDE]


TOP
LCB90644 -001A
SD CARD PWB
LMARK
A

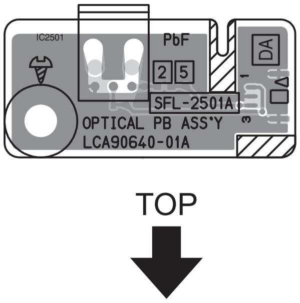
SD CARD PWB PATTERN [PARTS SIDE]


TOP
SD CARD PB ASS'Y
LCA90644-
PbF
CN2001
X2001
SFL-13
JK2001

OPTICAL PWB PATTERN [SOLDER SIDE]


R2501
IC2501
LCB90640 -001B
OPTICAL PWB
C2501
LMARK
TOP

OPTICAL PWB PATTERN [PARTS SIDE]


IC2501
PbF
2 5
DA
1
SFL-2501A
3
OPTICAL PB ASS'Y
LCA90640-01A
TOP

VOLTAGE CHARTS

<ANALOG PWB>

[P.2-7 - P.2-8]

MODE PIN NO.	DC (V)
IC101	
1	4.4
2	4.4
3	0
4	4.4
5	4.4
6	0
7	4.5
8	4.4
9	0
10	4.4
11	4.4
12	0
13	4.4
14	4.4
15	4.4
16	4.4
17	4.5
18	8.9
19	4.5
20	4.4
21	0
22	4.4
23	4.4
24	0
25	4.4
26	4.4
27	0
28	4.4
29	4.4
30	8.9
31	4.5
32	4.4
33	4.4
34	4.5
35	4.5
36	4.5
37	1.4
38	1.9
39	1.4
40	1.9
41	0
42	2.1
43	1.6
44	5.2
45	1.9
46	0
47	2.1
48	5.2
49	1.9
50	1.6
51	4.9
52	5.0
53	5.2
54	5.2
55	2.5
56	5.2
57	2.5
58	2.1
59	2.1
60	2.5
61	5.2
62	2.5
63	0.3
64	0
65	0
66	0
67	5.1
68	2.5
69	0.3
70	2.1
71	5.1
72	2.5
73	5.1
74	2.5
75	1.3
76	0.3
77	2.1
78	1.4
79	2.6
80	5.2
81	2.3
82	0
83	2.8
84	0
85	2.5
86	5.1
87	2.5
88	0.2
89	2.2
90	0
91	2.5
92	2.8
93	2.5
94	0.1
95	0.1
96	5.1
97	2.5
98	5.1
99	2.5
100	2.5
IC102	
1	0
2	2.4
3	2.5
4	2.4
5	2.5
6	2.4
7	2.5
8	2.4
9	0
10	2.4
11	2.2
12	2.4
13	0
14	0.3
15	0.3
16	0
17	2.4
18	0
19	2.4
20	0
21	2.4
22	0
23	0
24	4.9
25	4.9
26	0
27	3.4
28	3.3
29	0
30	0
31	5.2
32	1.4
33	0
34	0
35	0
36	0
37	3.5
38	3.4
39	0.2
40	0
41	0
42	2.2
43	1.0
44	0
45	1.0
46	2.3
47	1.9
48	1.9
49	3.0
50	5.2
51	5.1
52	1.9
53	2.0
54	3.0
55	2.6
56	2.5
57	5.2
58	0
59	0
60	2.2
61	0
62	0
63	5.2
64	2.5
65	2.5
66	2.4
67	2.5
68	2.5
69	2.5
70	2.4
71	5.1
72	2.4
73	5.1
74	2.4
75	0
76	0.3
77	0
78	2.4
79	0
80	2.1
81	0
82	0
83	0
84	0
85	0
86	2.4
87	0
88	2.4
89	2.8
90	2.4
91	0
92	0
93	0.2
94	2.4
95	0
96	2.4
97	0
98	0
99	0
100	5.1
IC106	
1	4.4
2	0
3	4.4
4	4.4
5	7.3
6	0
7	0
8	4.4
9	0.1
10	4.4
11	4.4
12	0
13	0
14	0
Q101	
E	0
C	0
B	7.3
Q102	
E	0
C	7.3
B	0.1
Q106	
S	3.3
D	3.0
G	4.9
Q107	
S	3.3
D	3.1
G	5.0
Q108	
E	0
C	0
B	0.6
Q109	
E	2.6
C	0
B	1.9
Q110	
E	2.2
C	0
B	1.4
Q111	
E	2.2
C	0
B	1.3
Q112	
E	1.8
C	0
B	1.1
Q113	
E	2.3
C	5.1
B	3.0
Q281	
E	8.8
C	0
B	8.8
CN0UA	
1	0
2	0
3	0
CN0UV	
1	0
2	0.1
3	0
4	1.1
5	0
6	0.9
7	0
8	1.1
9	0
10	0
11	0
12	0
13	0

[P.2-9 - P.2-10]

MODE PIN NO.	DC (V)
Q431	
E	0
C	0
B	0
Q432	
E	0
C	0
B	0
Q433	
E	0
C	0
B	0

[P.2-11 - P.2-12]

MODE PIN NO.	DC (V)
IC381	
1	0
2	4.8
3	4.9
4	0
5	0
6	0
7	5.2
8	0
9	0
10	5.2
11	0
12	0
13	5.2
14	0
15	0
16	5.2
IC3101	
1	4.1
2	4.1
3	4.1
4	0
5	4.8
6	4.9
7	0
8	4.1
9	4.1
10	4.1
11	4.0
12	5.3
13	4.1
14	1.3
15	0
16	0
17	0
18	4.0
19	8.9
20	0
21	4.1
22	4.1
23	0
24	0
25	4.1
26	3.9
27	4.1
28	1.7
29	0
30	0
31	1.7
32	4.0
33	4.1
34	0
35	4.1
36	4.1
37	0
38	0.1
39	4.1
40	4.1
41	0.7
42	0
43	0
44	0
45	4.1
46	4.1
47	4.1
48	4.1
Q3001	
E	2.5
C	0
B	1.9
Q3002	
E	2.0
C	0
B	2.5
TU3001	
1	-
2	0
3	5.1
4	0
5	-
6	-
7	0.9
8	2.2
9	0
10	5.0
11	4.9
12	2.0
13	2.6
14	0
15	31.3
16	2.2
17	2.1
18	-
19	-
20	-
21	-

[P.2-15 - P.2-16]

MODE PIN NO.	DC (V)
IC601	
1	6.0
2	6.1
3	6.1
4	6.1
5	6.1
6	6.1
7	0.7
8	6.1
9	6.1
10	6.1
11	0.5
12	0.5
13	1.0
14	7.4
15	4.8
16	4.3
17	4.8
18	4.9
19	0
20	12.1
21	0
22	6.1
23	4.8
24	0
25	4.7
26	0
27	5.1
28	4.5
29	6.1
30	6.1
31	6.1
32	6.1
33	6.1
34	0
35	6.1
36	6.1
37	6.1
38	6.1
39	6.1
40	6.1
41	0
42	6.1
43	6.1
44	6.1
45	6.1
46	6.1
47	6.1
48	6.2
IC606	
1	0
2	5.0
3	0
4	0
5	5.2
6	0
7	0
8	0
9	5.2
10	0
11	0
12	0
13	5.2
14	0
15	0
16	5.2
IC751	
1	2.0
2	0
3	2.1
4	0
5	0
6	0
7	2.1
8	0.2
Q614	
E	8.1
C	-0.1
B	8.7
Q621	
E	5.0
C	0
B	5.2
Q622	
E	0
C	5.2
B	0
Q751	
E	0
C	0
B	0
Q752	
E	0
C	0
B	2.6

[P.2-17 - P.2-18]

MODE PIN NO.	DC (V)
IC902	
1	4.9
2	0
3	3.3

<DIGITAL PWB>

[P.2-19 - P.2-20]

MODE PIN NO.	DC (V)
Q7501	
E	0
C	1.2
B	1.9

[P.2-27 - P.2-28]

MODE PIN NO.	DC (V)
IC6250	
1	0
2	5.2
3	1.6
4	0
5	0
6	0
7	0
8	0
9	5.2
10	0
11	0
12	0
13	0
14	0
15	0.8
16	5.2
17	0
18	0
19	0
20	1.7
21	0
22	0
23	5.2
24	0
IC6251	
1	1.5
2	0
3	0
4	5.3
5	3.3
Q6201	
E	2.5
C	0
B	0
Q6202	
E	3.2
C	0
B	2.6
Q6203	
E	2.6
C	0
B	1.8
Q6204	
E	2.9
C	0
B	2.2
Q6205	
E	3.0
C	0
B	2.2
Q6206	
E	0
C	0
B	0
Q6207	
E	1.3
C	5.3
B	2.1
Q6208	
E	1.4
C	5.3
B	2.1
Q6209	
E	1.5
C	0
B	2.1
Q6210	
E	1.4
C	5.3
B	0
Q6211	
E	2.2
C	5.3
B	2.9
Q6212	
E	2.3
C	5.3
B	3.0
Q6213	
E	0
C	5.3
B	0
Q6214	
E	1.3
C	5.3
B	2.0
Q6250	
E	1.6
C	5.2
B	2.1
Q6251	
E	2.1
C	5.2
B	2.1

[P.2-29 - P.2-30]

MODE PIN NO.	DC (V)
IC6001	-
IC6002	
1	1.0
2	1.2
3	0
4	1.2
5	3.3
IC6724	
1	0
2	3.3
3	0
4	3.3

[P.2-33 - P.2-34]

MODE PIN NO.	DC (V)
IC6101	
1	1.2
2	2.5
3	1.3
4	1.2
5	0
6	1.2
7	1.2
8	2.5
9	1.2
10	1.2
11	0
12	1.2
13	1.2
14	2.5
15	2.5
16	0
17	1.2
18	1.2
19	0
20	1.3
21	1.2
22	2.5
23	0.6
24	0.6
25	1.8
26	1.8
27	1.8
28	0
29	0.6
30	0.6
31	0.6
32	0.6
33	0.6
34	0.6
35	2.5
36	0.6
37	0.6
38	0
39	0
40	0
41	0
42	0
43	0
44	0.1
45	0.6
46	0
47	0.6
48	0.6
49	0.6
50	0.6
51	0.6
52	0
53	0.6
54	1.2
55	1.2
56	0.6
57	0.6
58	1.2
59	2.5
60	1.2
61	1.2
62	0
63	1.1
64	1.2
65	2.5
66	0
67	2.5
68	1.2
69	1.2
70	0
71	1.2
72	1.2
73	2.5
74	1.2
75	1.2
76	0
77	1.3
78	1.2
79	2.5
80	1.0
81	1.2
82	0
83	1.2
84	1.2
85	0
86	2.5
87	0
88	0
89	0
90	0
91	0
92	0
93	0
94	1.3
95	2.5
96	2.5
97	1.2
98	1.2
99	0
100	1.2
IC6102	
1	0
2	2.5
3	1.2
4	1.2
5	2.4
6	2.4
7	2.4
8	1.3

[P.2-35 - P.2-36]

MODE PIN NO.	DC (V)
IC7201	
1	0.3
2	0.3
3	0.3
4	0.2
5	0.2
6	0.1
7	0.2
8	0.3
9	0.1
10	0
11	3.1
12	3.3
13	0
14	0
15	0
16	0
17	0
18	0.1
19	0.3
20	0.3
21	0.3
22	0.3
23	0.3
24	0.3
25	0
26	3.2
27	0
28	0.1
29	0.5
30	0.3
31	0.4
32	0.1
33	0.4
34	0.2
35	0.2
36	0.1
37	0
38	0.1
39	0.2
40	0.4
41	0.2
42	0.3
43	0.2
44	0.2
45	0.1
46	0
47	3.3
48	0.4
IC7203	
1	0
2	0.4
3	0.4
4	0
5	0.4
6	0.3
7	0.2
8	0.4
9	0.2
10	0
11	0.4
12	0.3
13	3.3
14	2.7
15	3.2
16	0
17	3.2
18	2.5
19	0
20	0.1
21	0.2
22	0.3
23	0.4
24	0.4
25	3.3
26	0
27	0.2
28	0.3
29	0.3
30	0.3
31	0.3
32	0.3
33	0
34	3.3
35	0
36	2.7
37	0
38	3.3
39	0.5
40	0.5
41	0
42	0.3
43	0.2
44	3.2
45	0.2
46	0.3
47	0
48	0.4
49	0.1
50	0
IC7204	
1	0
2	3.2
3	0
4	3.2

[P.2-37 - P.2-38]

MODE PIN NO.	DC (V)
IC7033	
1	0
2	3.3
3	3.3
4	3.3
5	3.3
6	3.3
7	0
8	0
9	0
10	3.2
11	0
12	3.3
13	0
14	3.3
15	3.3
16	3.3
IC7036	
1	0
2	0
3	0
4	3.3
5	3.2
6	0
IC7039	
1	0
2	2.8
3	0
4	0
5	0
Q7032	
E	3.3
C	3.2
B	0
Q7033	
E	3.3
C	0
B	0
Q7034	
E	3.3
C	3.3
B	0

[P.2-39 - P.2-40]

MODE PIN NO.	DC (V)
IC6502	
1	3.3
2	1.1
3	1.4
4	1.3
5	0
6	1.1
7	0.2
8	0.7
9	3.3
10	0
11	0.6
12	0.8
13	0
14	0
15	0
16	0
17	0
18	0
19	0.8
20	0
21	0
22	0.8
23	0.9
24	1.3
25	1.6
26	3.3
27	0
28	0
29	0
30	2.8
31	1.3
32	2.9
33	0
34	3.1
35	0
36	0
37	1.2
38	1.2
39	0
40	0.1
41	0
42	1.3
43	0
44	3.3
45	1.1
46	1.3
47	1.2
48	1.3
49	0
50	1.5
51	1.1
52	0.6
53	0.1
54	0.6
55	0
56	1.3
Q6501	
E	0
C	3.2
B	0
Q6502	
E	0
C	2.8
B	0
CN000W	
1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	3.0
9	2.9
10	0
11	1.6
12	0
CN0LV2	
1	12.1
2	11.9
3	12.0
4	12.0
5	0
6	0
7	0
8	0.1
9	0.2
10	3.1
11	0
12	0
13	0
14	0
15	0
16	0
17	0
18	0

-40]

(V)
3.3
1.1
1.4
1.3
0
1.1
0.2
0.7
3.3
0
0.6
0.8
0
0
0
0
0
0
0.8
0
0
0.8
0.9
1.3
1.6
3.3
0
0
0
2.8
1.3
2.9
0
3.1
0
0
1.2
1.2
0
0.1
0
1.3
0
3.3
1.1
1.3
1.2
1.3
0
1.5
1.1
0.6
0.1
0.6
0
1.3
0
3.2
0
0
2.8
0
0
0
0
0
0
0
0
3.0
2.9
0
1.6
0
2.1
1.9
2.0
2.0
0
0
0
0.1
0.2
3.1
0
0
0
0
0
0
0
0

MODE PIN NO.	DC (V)
19	0
20	0
21	1.3
22	0
23	0
24	1.1
25	0.1
26	0
27	0.2
28	1.0
29	1.3
30	0
31	0

[P.2-45 - P.2-46]

MODE PIN NO.	DC (V)
IC6901	
1	0
2	0
3	3.3
4	5.3
IC9001	
1	8.2
2	16.4
3	3.3
4	0
5	0.9
6	1.3
7	0.8
8	0.9
IC9101	
1	3.2
2	0
3	2.4
IC9201	
1	6.1
2	16.5
3	1.1
4	0
5	0
6	1.2
7	3.2
8	0.9
IC9301	
1	1.2
2	0
3	0
4	0.3
5	3.3
6	0
7	0
8	3.3
Q9501	
E	3.2
C	0
B	0
Q9502	
E	0
C	0
B	0.6
Q9503	
E	0
C	0
B	0.6

[P.2-47 - P.2-48]

MODE PIN NO.	DC (V)
IC7601	
1	0
2	0
3	0
4	0
5	0
6	1.1
7	2.8
8	0
9	0
10	0
11	0
12	3.3
13	1.8
14	0
15	1.5
16	3.3
17	1.2
18	1.3
19	0
20	3.3
21	0
22	0
23	0
24	0
25	0
26	0
27	0.6
28	0.7
29	5.1
30	3.3
31	0
32	0
33	0
34	0
35	3.3
36	3.3
37	0.4
38	0.3
39	0
40	0
41	3.3
42	0
43	0
44	0
45	0
46	0
47	3.3
48	0
49	3.3
50	0
51	3.3
52	0
53	0
54	0
55	0
56	0
57	0
58	0
59	0
60	0
61	0
62	3.1
63	0
64	3.3
65	0
66	0
67	0
68	0
69	0
70	0
71	0
72	0
73	0
74	0
75	0
76	0
77	0
78	0
79	0
80	0
81	0
82	3.3
83	0
84	3.3
85	0.5
86	3.3
87	3.3
88	3.3
89	0
90	0
91	0
92	0
93	3.2
94	3.3
95	0.1
96	0.1
97	0
98	0
99	5.1
100	0
IC7602	
1	0
2	0
3	0
4	0
5	3.2
6	3.2
7	0
8	3.2
IC7603	
1	3.3
2	3.3
3	0
4	5.0
5	5.1
IC7604	
1	0
2	0
3	0
4	3.2
5	3.3
IC7605	
1	5.3
2	0.6
3	0.7
4	0
5	0
6	5.3
IC7606	
1	5.3
2	1.6
3	1.6
4	2.5
5	0
6	5.3

[P.2-49 - P.2-50]

MODE PIN NO.	DC (V)
CN0ID	
1	3.2
2	3.3
3	0
4	0
5	0

<POWER PWB>
[P.2-51 - P.2-52]

MODE PIN NO.	DC (V)
IC9202	
1	6.0
2	0
3	5.0
IC9301	
1	0
2	4.4
3	3.5
4	0
5	0
6	0
7	0
8	8.8
IC9501	
1	128.8
2	0
3	0
4	19.7
5	0
6	1.0
7	0.7
Q9001	
E	0
C	0
B	0.7
Q9503	
E	0
C	0
B	0.7
Q9505	
E	0
C	0
B	0.6
CN00P	
1	23.9
2	23.8
3	23.9
4	23.9
5	23.9
6	0
7	0
8	0
9	0
10	0
CN00Q	
1	23.9
2	23.9
3	23.9
4	23.9
5	23.9
6	0
7	0
8	0
9	0
10	0

<LED PWB>
[P.2-53 - P.2-54]

MODE PIN NO.	DC (V)
IC8951	
1	5.3
2	1.2
IC8952	
1	3.0
2	4.9
3	0
Q8905	
E	3.7
C	0
B	0
Q8906	
E	3.9
C	3.7
B	0
Q8907	
E	3.7
C	3.6
B	0
Q8908	
E	0
C	0
B	3.2
Q8909	
E	0
C	0
B	3.0

<D-AMP PWB>
[P.2-57 - P.2-58]

MODE PIN NO.	DC (V)
IC6201	
1	13.8
2	3.2
3	12.3
4	2.6
5	0
IC6501	
1	6.2
2	6.2
3	6.1
4	0
5	6.1
6	6.2
7	6.2
8	12.3
IC6621	
1	-7.5
2	0
3	0
4	-13.9
5	0
6	0
7	-7.5
8	13.3
IC6661	
1	-7.6
2	-7.9
3	0.6
4	0.5
5	13.8
6	11.9
7	0
8	-14.0
9	-1.2
10	-13.9
11	0
12	11.9
13	13.9
14	0.6
15	-3.3
16	-7.9
17	-7.5
Q6661	
E	13.8
C	-13.9
B	13.8
Q6662	
E	-13.9
C	0.6
B	-13.9
Q6663	
E	0
C	13.8
B	0

<DC-DC PWB>
[P.2-59 - P.2-60]

MODE PIN NO.	DC (V)
IC9601	
1	10.0
2	23.8
3	0
4	0
5	0.9
6	1.0
7	6.2
8	0.9
IC9602	
1	16.3
2	23.9
3	12.1
4	0
5	0.9
6	0
7	3.1
8	0.9
IC9701	
1	8.0
2	0
3	3.3
4	0
5	0.9
6	0
7	6.6
8	0.9
IC9751	
1	7.3
2	16.5
3	2.5
4	0
5	0.9
6	0
7	3.4
8	0.9
IC9801	
1	9.7
2	23.9
3	5.0
4	0
5	0.9
6	1.0
7	3.4
8	0.9
IC9851	
1	16.5
2	16.5
3	8.9
4	0
5	0
IC9852	
1	165
2	165
3	8.9
4	0
5	0
IC9901	
1	16.5
2	16.5
3	9.0
4	2.6
5	0
Q9601	
E	0
C	0
B	0.6
Q9651	
E	0
C	0
B	0.7
Q9801	
E	0
C	0
B	0
Q9904	
E	8.3
C	8.9
B	9.0
Q9905	
E	0
C	0
B	3.2
CN0AT	
1	31.4
2	5.1
3	0
4	3.3
5	0
6	2.5
7	0
8	8.9
9	0

<SD CARD PWB>
[P.2-61 - P.2-62]

MODE PIN NO.	DC (V)
IC2001	
1	0
2	1.4
3	1.7
4	0
5	3.4
6	5.0
7	3.4
8	0
9	3.1
10	3.4
11	3.4
12	0
13	0
14	0
15	0
16	3.4
17	3.0
18	3.4
19	1.3
20	1.7
21	1.3
22	0
23	0
24	0
25	0
26	0
27	0
28	0
Q2001	
E	3.4
C	1.3
B	3.2
CN200L	
1	0
2	0
3	3.4
4	5.1
5	0
6	3.1
7	0
8	0
9	0

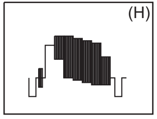
<OPTICAL PWB>
[P.2-63 - P.2-64]

MODE PIN NO.	DC (V)
IC2501	
1	0
2	5.1
3	0
CN00DA	
1	5.1
2	0
3	0

WAVEFORMS

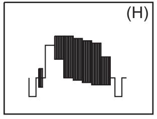
ANALOG PWB (1/6)
(SHEET1)

IC101-45



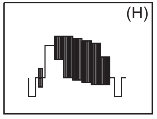
0.8 Vp-p

IC101-49



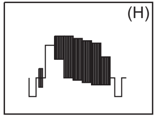
0.8 Vp-p

IC101-57



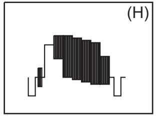
0.9 Vp-p

IC101-79



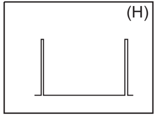
0.9 Vp-p

IC102-2



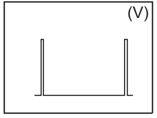
0.9 Vp-p

IC102-28



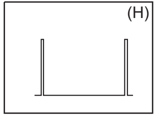
3.5 Vp-p

IC102-37



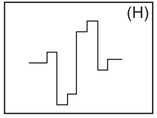
3.5 Vp-p

IC102-38



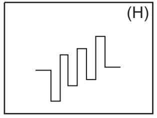
3.4 Vp-p

IC102-41



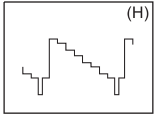
0.7 Vp-p

IC102-43



0.8 Vp-p

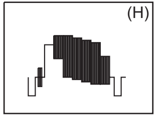
IC102-45



0.9 Vp-p

ANALOG PWB (3/6)
(SHEET3)

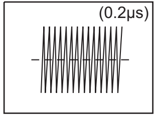
TU3001-17



0.9 Vp-p

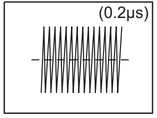
DIGITAL PWB (15/16)
(SHEET21)

IC7601-13



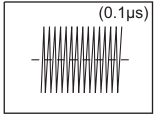
3.0 Vp-p

IC7601-15



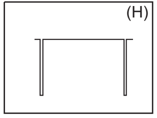
2.2 Vp-p

IC7601-17



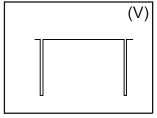
0.4 Vp-p

IC7601-62



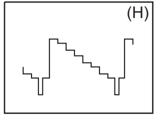
3.5 Vp-p

IC7601-64



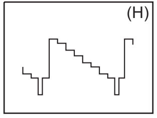
4.0 Vp-p

IC7601-97



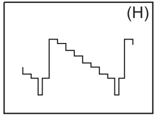
2.2 Vp-p

IC7601-100



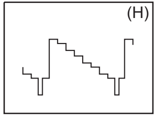
2.0 Vp-p

IC7605-2



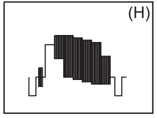
2.1 Vp-p

IC7605-4



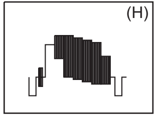
0.5 Vp-p

IC7606-2



2.3 Vp-p

IC7606-4



0.5 Vp-p

Victor Company of Japan, Limited
Flat Panel Display Category 12, 3-chome, Moriya-cho, kanagawa-ku, Yokohama-city, kanagawa-prefecture, 221-8528, Japan

(No.YA428)

Printed in Japan
VPT

PARTS LIST

CAUTION

- ■ The parts identified by the ⚠ symbol are important for the safety . Whenever replacing these parts, be sure to use specified ones to secure the safety.
- ■ The parts not indicated in this Parts List and those which are filled with lines --- in the Parts No. columns will not be supplied.
- ■ P.W. BOARD Ass'y will not be supplied, but those which are filled with the Parts No. in the Parts No. columns will be supplied.

ABBREVIATIONS OF RESISTORS, CAPACITORS AND TOLERANCES

RESISTORS		**CAPACITORS**	
CR	Carbon Resistor	C CAP.	Ceramic Capacitor
FR	Fusible Resistor	E CAP.	Electrolytic Capacitor
PR	Plate Resistor	M CAP.	Mylar Capacitor
VR	Variable Resistor	CH CAP.	Chip Capacitor
HV R	High Voltage Resistor	HV CAP.	High Voltage Capacitor
MF R	Metal Film Resistor	MF CAP.	Metalized Film Capacitor
MG R	Metal Glazed Resistor	MM CAP.	Metalized Mylar Capacitor
MP R	Metal Plate Resistor	MP CAP.	Metalized Polystyrol Capacitor
OM R	Metal Oxide Film Resistor	PP CAP.	Polypropylene Capacitor
CMF R	Coating Metal Film Resistor	PS CAP.	Polystyrol Capacitor
UNF R	Non-Flammable Resistor	TF CAP.	Thin Film Capacitor
CH V R	Chip Variable Resistor	MPP CAP.	Metalized Polypropylene Capacitor
CH MG R	Chip Metal Glazed Resistor	TAN. CAP.	Tantalum Capacitor
COMP. R	Composition Resistor	CH C CAP.	Chip Ceramic Capacitor
LPTC R	Linear Positive Temperature Coefficient Resistor	BP E CAP.	Bi-Polar Electrolytic Capacitor
		CH AL E CAP.	Chip Aluminum Electrolytic Capacitor
		CH AL BP CAP.	Chip Aluminum Bi-Polar Capacitor
		CH TAN. E CAP.	Chip Tantalum Electrolytic Capacitor
		CH AL BP E CAP.	Chip Tantalum Bi-Polar Electrolytic Capacitor

RESISTORS									
F	G	J	K	M	N	R	H	Z	P
±1%	±2%	±5%	±10%	±20%	±30%	+30% -10%	+50% -10%	+80% -20%	+100% -0%

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- DC-DC P.W. BOARD ASS'Y (SFL-9154A-M2) 3-24
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PACKING PARTS LIST 3-29

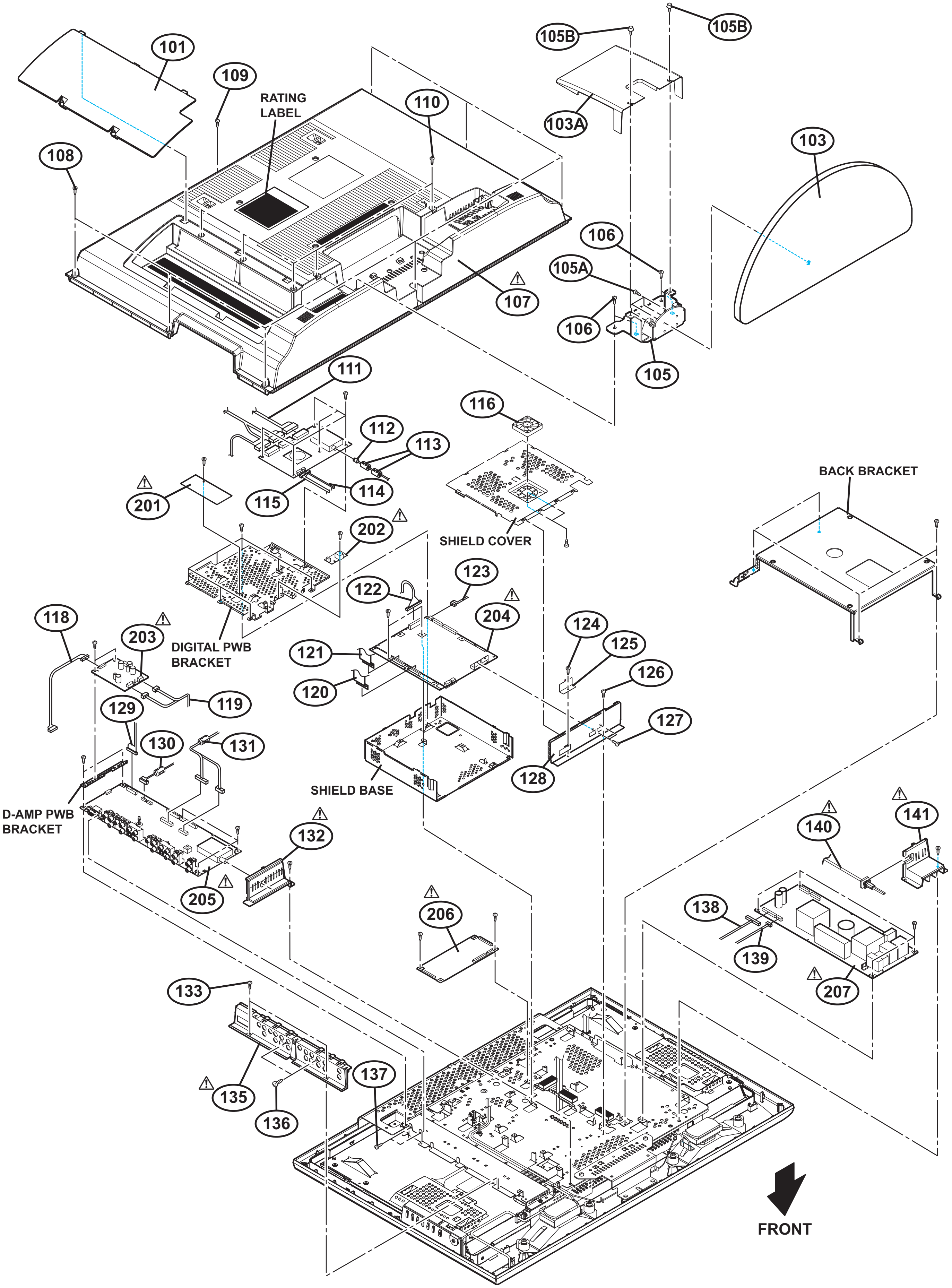
USING P.W. BOARD & REMOTE CONTROL UNIT

P.W.B ASS'Y name	P.W.B ASS'Y No.		
	LT-32X667/Z	LT-32X787/Z	LT-32X887/Z
SD CARD P.W.B	SFL-1305A-M2	←	←
ANALOG P.W.B	SFL-1311A-M2	←	←
OPTICAL P.W.B	SFL-2501A-M2	←	←
D-AMP P.W.B	SFL-6301A-M2	←	←
SW P.W.B	SFL-7207A-M2	←	←
LED P.W.B	SFL-8901A-M2	←	←
POWER P.W.B	SFL-9048A-M2	←	←
DC-DC P.W.B	SFL-9154A-M2	←	←
DIGITAL P.W.B	SFL0D178A-M2	SFL0D175A-M2	SFL0D173A-M2
ATSC TUNER MODULE P.W.B	SSD-2204A-M2	←	←
REMOTE CONTROL UNIT	RM-C18G-1H	←	←

EXPLODED VIEW PARTS LIST -1

⚠	Ref.No.	Part No.	Part Name	Description	Local
	101	LC12704-002A-HK	JACK COVER		
	103	LC42545-001A-C	STAND BASE UNIT	Inc.103A	LT-32X667Z,LT-32X887Z
	103	LC42545-002A-C	STAND BASE UNIT	Inc.103A	LT-32X787Z
	103A	T0164-01	STAND COVER		
	105	LC42544-001A-C	SUPPORT UNIT	Inc.105A.105B	
	105A	M04R-PPBF-C3-14	SCREW	(x4)	
	105B	P0244-M9-03-01	SCREW	(x2)	
	106	QYSPSPD5014MA	SCREW	M5 x 14mm(x4)	
⚠	107	LC12799-001A-HK	REAR COVER ASSY		
	108	QYSBSFG4016MA	TAP SCREW	M4 x 16mm(x7)	
	109	LC42446-002A	SCREW		
	110	QYSBSF3010MA	TAP SCREW	M3 x 10mm(x5)	
	111	WJJ0721-001A-E	E-SI C WIRE C-C	ATSC CN600-DC-DC AT	
	112	WJX0037-001A-E	E-COAXIAL ASSY	ATSC-ANALOG	
	113	QQR0490-001	NOISE FILTER	(x2)	
	114	WJJ0720-001A-E	E-SI C WIRE C-C	ATSC CN1005-OPTICAL	
	115	WJJ0719-001A-E	E-SI C WIRE C-C	ATSC CN1004-SD CARD L	
	116	QAR0370-002	COOLING FAN		
	118	QJJ064-100600-E	SIN CR C-C WIRE	D-AMP CN00S-ANALOG S	
	119	WJZ0207-002A-E	E-HARNESS ASSY	D-AMP-SPEAKER	
	120	QUQL05-4009AA-E	FFC WIRE	ANALOG CN002-DIGITAL CN002	
	121	QUQL05-5009AA-E	FFC WIRE	ANALOG CN001-DIGITAL CN001	
	122	QJJ009-151010-E	SIN CR C-C WIRE	DIGITAL CN0DC-DC-DC DC	
	123	WJZ0216-001A-E	E-HARNESS ASSY	ANLOG UA-ATSC CN5004	
	124	LC42446-001A	SCREW		
	125	LC42340-001B-HK	SERVICE COVER		
	126	LC42446-001A	SCREW		
	127	QYSPSP3008ZA	SCREW	M3 x 8mm(x2)	
	128	LC12497-008A-HK	SHIELD TERMINAL		
	129	QJJ009-150710-E	SIN CR C-C WIRE	ANALOG H-DC-DC H	
	130	QQR0490-001	NOISE FILTER		
	131	QQR0917-001	CORE FILTER		
⚠	132	LC12507-002B-0K	TUNER BASE		
	133	LC42446-002A	SCREW	(x2)	
⚠	135	LC12506-009A-0K	TERMINAL BASE		
	136	QYSBSF3010MA	TAP SCREW	M3 x 10mm(x2)	
	137	QNB0036-001	CONN ACCESSORY	(x2)	
	138	QJJ009-151010-E	SIN CR C-C WIRE	POWER A-DC-DC A	
	139	QJJ015-043024-E	SIN CR C-C WIRE	POWER F-D-AMP CN10F	
⚠	140	QMPD460-170-JC	POWER CORD(US/CA)	1.7m BLACK	
⚠	141	LC22007-002A	POWER CORD HOLDER		
⚠	201	SFL-1305A-M2	SD CARD PWB		
⚠	202	SFL-2501A-M2	OPTICAL PWB		
⚠	203	SFL-6301A-M2	D-AMP PWB		
⚠	204	SFL0D178A-M2	DIGITAL PWB		LT-32X667Z
⚠	204	SFL0D175A-M2	DIGITAL PWB		LT-32X787Z
⚠	204	SFL0D173A-M2	DIGITAL PWB		LT-32X887Z
⚠	205	SFL-1311A-M2	ANALOG PWB		
⚠	206	SFL-9154A-M2	DC-DC PWB		
⚠	207	SFL-9048A-M2	POWER PWB		

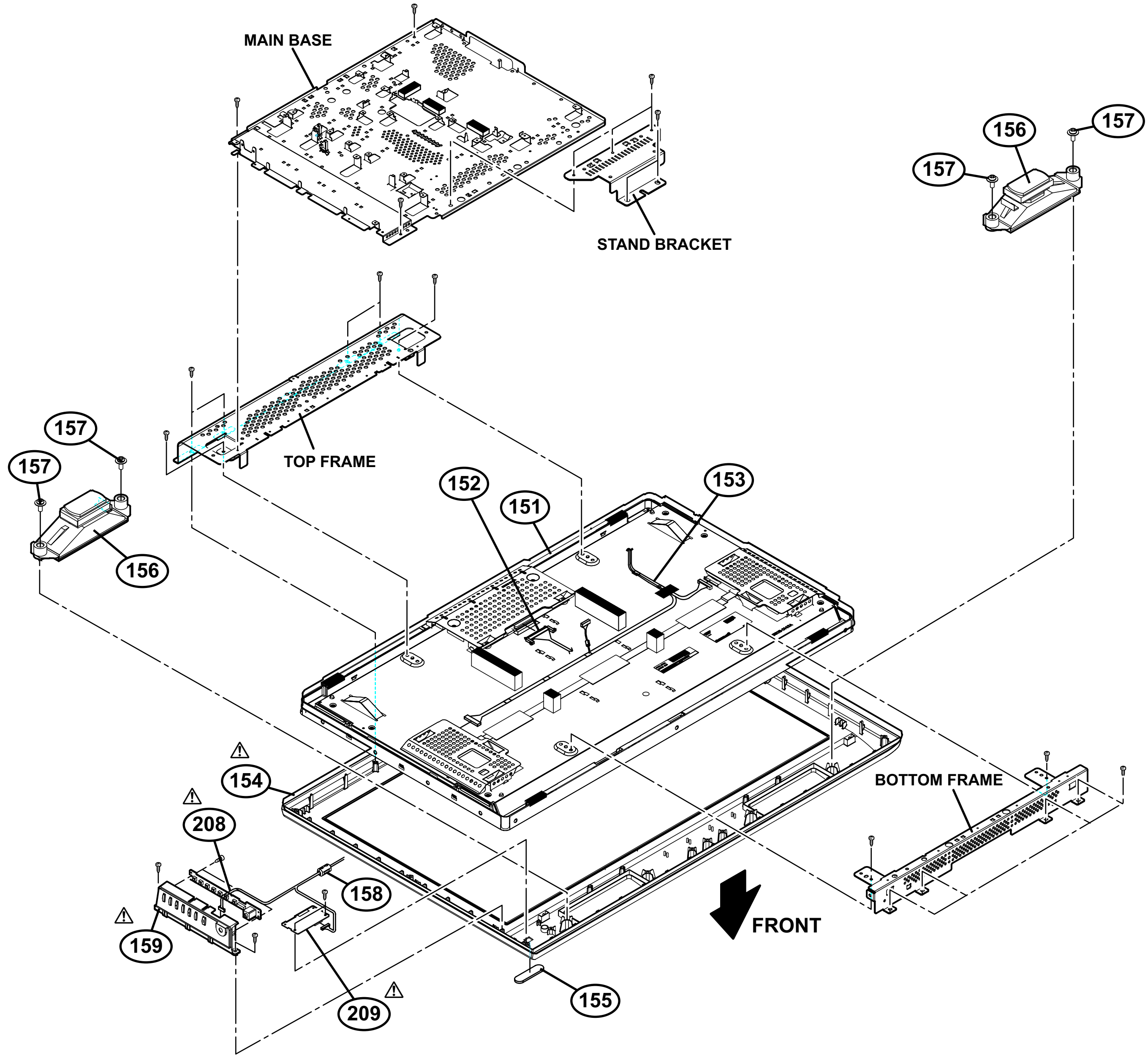
EXPLODED VIEW -1


101
109
RATING LABEL
110
105B
105B
103A
103
108
106
105A
107
106
105
111
116
112
113
201
115
114
202
SHIELD COVER
BACK BRACKET
123
122
204
118
203
DIGITAL PWB BRACKET
121
124
125
120
126
119
129
127
130
131
128
SHIELD BASE
D-AMP PWB BRACKET
132
140
141
205
138
206
139
207
133
137
135
136
FRONT

EXPLODED VIEW PARTS LIST -2

⚠	Ref.No.	Part No.	Part Name	Description	Local
	151	QLD0431-001-JIM	LCD PANEL UNIT		
	152	WJW0045-002A-E	DIGITAL (LVDS) CABLE	DIGITAL CN0LV1-LCD PANEL	
	153	WJZ0210-002A-E	E-HARNESS ASSY	POWER-LCD PANEL UNIT	
⚠	154	LC12780-002A-HK	FRONT PANEL ASSY		LT-32X667Z
⚠	154	LC12780-004B-HK	FRONT PANEL ASSY		LT-32X787Z
⚠	154	LC12780-001A-HK	FRONT PANEL ASSY		LT-32X887Z
	155	LC33506-001A	LED PLATE		LT-32X667Z,LT-32X887Z
	155	LC33506-002A	LED PLATE		LT-32X787Z
	156	QAS0446-001	SPEAKER	(x2)	
	157	LC41458-002A	TAPPING SCREW	(x4)	
	158	QQR0490-001	NOISE FILTER		
⚠	159	LC33404-005A-HK	CONTROL ASSY		
⚠	208	SFL-7207A-M2	SW PWB		
⚠	209	SFL-8901A-M2	LED PWB		

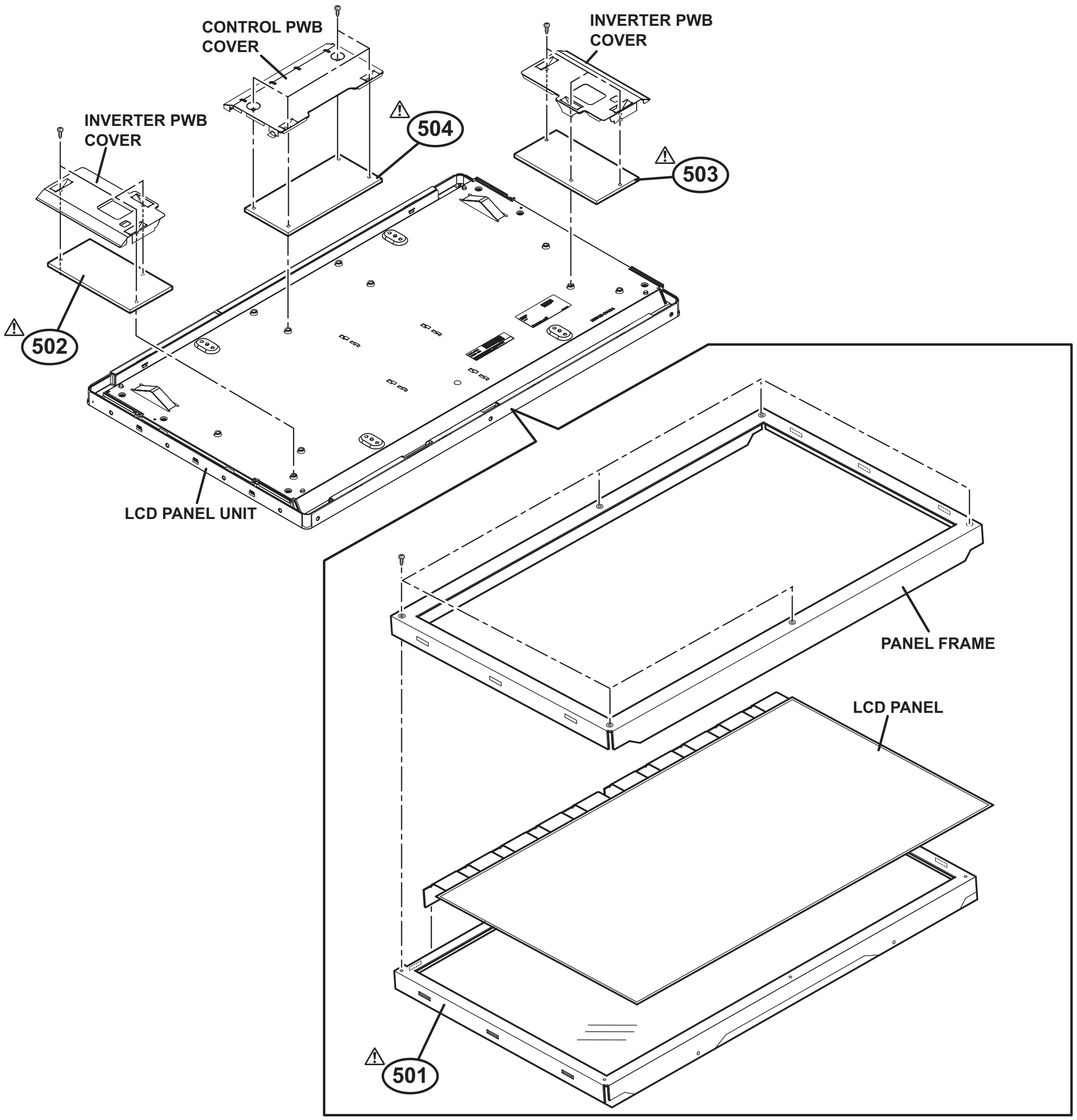
EXPLODED VIEW -2


MAIN BASE
STAND BRACKET
156
157
157
TOP FRAME
157
157
156
152
151
153
⚠
154
⚠
208
158
⚠
159
209
⚠
155
BOTTOM FRAME
FRONT

EXPLODED VIEW PARTS LIST -3

⚠	Ref.No.	Part No.	Part Name	Description	Local
⚠	501	6900L-0074A	BACKLIGHT UNIT		
⚠	502	6632L-0272A	INVERTER PWB	MASTER SIDE	
⚠	503	6632L-0273A	INVERTER PWB	SLAVE SIDE	
⚠	504	6871L-0796A	CONTROL PWB		

EXPLODED VIEW -3


CONTROL PWB COVER
INVERTER PWB COVER
504
INVERTER PWB COVER
503
502
LCD PANEL UNIT
PANEL FRAME
LCD PANEL
501

PRINTED WIRING BOARD PARTS LIST [LT-32X667/Z]

SD CARD P.W. BOARD ASS'Y (SFL-1305A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC2001	AU9331C23-MAS-X	IC		
Q2001	2SA1576A/QRS/-X	TRANSISTOR		
C2001	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C2002	NDC31HJ-270X	C CAPACITOR	27pF 50V J	
C2003	NDC31HJ-270X	C CAPACITOR	27pF 50V J	
C2004	NDC31HJ-150X	C CAPACITOR	15pF 50V J	
C2005	NDC31HJ-150X	C CAPACITOR	15pF 50V J	
C2006	NDC31HJ-120X	C CAPACITOR	12pF 50V J	
C2007	NDC31HJ-120X	C CAPACITOR	12pF 50V J	
C2008	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2009	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2010	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2011	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C2012	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2013	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2014	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2015	NEHL0GM-227X	E CAPACITOR	220uF 4V M	
C2016	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
R2001	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R2003	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R2004	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R2005	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2006	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R2007	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R2008	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2009	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R2010	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2012	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2014	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2015	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RA2001	NRZ0040-103X	NET RESISTOR	10kΩ 1/16W J x4	
RA2002	NRZ0040-473X	NET RESISTOR	47kΩ 1/16W J x4	
L2001	NQR0603-002X	EMI FILTER		
JK2001	NNZ0058-001X	SD CARD CONNECTOR		
K2001	NQR0499-002X	FERRITE BEADS		
K2002	NQR0499-002X	FERRITE BEADS		
LC2001	NQR0483-007X	EMI FILTER		
X2001	NAX0877-001X	CRYSTAL	12MHz	

ANALOG P.W. BOARD ASS'Y (SFL-1311A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC101	R2S11004FT	IC		
IC102	R2S11003FT	IC		
IC106	CD4066BNS-X	IC		
IC381	M62320FP-X	IC		
IC601	NJW1182FP1	IC		
IC606	M62320FP-X	IC		
IC751	BH3547F-X	IC		
IC902	BA33BC0FP-X	IC		
IC3101	CXA2205Q-X	IC		
Q101	RT1N441C-X	TRANSISTOR		
Q102	RT1N441C-X	TRANSISTOR		
Q106	SSM3K17FU-X	MOS FET		
Q107	SSM3K17FU-X	MOS FET		
Q108	2SC1623A/5-6/-X	TRANSISTOR		
Q109	2SA1022/BC/-X	TRANSISTOR		
Q110	2SA1022/BC/-X	TRANSISTOR		
Q111	2SA1022/BC/-X	TRANSISTOR		
Q112	2SA1022/BC/-X	TRANSISTOR		
Q113	2SC1623A/5-6/-X	TRANSISTOR		
Q281	2SA812A/5-6/-X	TRANSISTOR		
Q431	RT4N430C-X	DIGI TRANSISTOR		
Q432	RT4N430C-X	DIGI TRANSISTOR		
Q433	RT1P440C-X	DIGI TRANSISTOR		
Q614	2SA812A/5-6/-X	TRANSISTOR		
Q621	2SA812A/5-6/-X	TRANSISTOR		
Q622	2SC1623A/5-6/-X	TRANSISTOR		
Q751	2SA812A/5-6/-X	TRANSISTOR		
Q752	UN2226-X	DIGI TRANSISTOR		
Q3001	2SA1530A/QR/-X	TRANSISTOR		
Q3002	2SC3928A/QR/-X	TRANSISTOR		
D105	1SS355W-X	DIODE		
D281	1SS355W-X	DIODE		
D282	1SS355W-X	DIODE		
D283	1SS355W-X	DIODE		
D401	UDZS10B-X	Z DIODE		
D402	UDZS10B-X	Z DIODE		
D403	UDZS10B-X	Z DIODE		
D404	UDZS10B-X	Z DIODE		
D405	UDZS10B-X	Z DIODE		
D406	UDZS10B-X	Z DIODE		
D407	UDZS10B-X	Z DIODE		
D408	UDZS10B-X	Z DIODE		
D409	UDZS10B-X	Z DIODE		
D411	UDZS10B-X	Z DIODE		
D412	UDZS10B-X	Z DIODE		
D413	UDZS10B-X	Z DIODE		
D414	UDZS10B-X	Z DIODE		
D415	UDZS10B-X	Z DIODE		
D416	UDZS10B-X	Z DIODE		
D420	UDZS10B-X	Z DIODE		
D421	UDZS10B-X	Z DIODE		
D422	UDZS10B-X	Z DIODE		
D423	UDZS10B-X	Z DIODE		
D424	UDZS10B-X	Z DIODE		
D425	UDZS10B-X	Z DIODE		
D427	UDZS10B-X	Z DIODE		
D428	UDZS10B-X	Z DIODE		
D431	UDZS10B-X	Z DIODE		
D432	UDZS10B-X	Z DIODE		
D461	UDZS10B-X	Z DIODE		
D462	UDZS10B-X	Z DIODE		
D463	UDZS10B-X	Z DIODE		
D464	UDZS10B-X	Z DIODE		
D465	UDZS10B-X	Z DIODE		
D466	UDZS10B-X	Z DIODE		
D491	UDZW3.3B-X	Z DIODE		
D492	S9648	PHOTO CONDUCTOR		
D605	1SS355W-X	DIODE		
D606	1SS355W-X	DIODE		
D607	1SS355W-X	DIODE		
D608	1SS355W-X	DIODE		
D615	1SS355W-X	DIODE		
D621	1SS355W-X	DIODE		
D622	1SS355W-X	DIODE		
D751	1SS355W-X	DIODE		
D752	1SS355W-X	DIODE		
C101	NEHL1CM-107X	E CAPACITOR	100uF 16V M	
C102	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C103	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C106	NCB11CK-475X	C CAPACITOR	4.7uF 16V K	
C107	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C108	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C116	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C117	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C118	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C119	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C120	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C121	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C122	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C123	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C124	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C125	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C126	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C127	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C128	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C129	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C130	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C131	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C132	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C133	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C134	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C136	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C137	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C138	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C139	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C141	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C142	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C143	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C156	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C157	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C158	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C161	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C166	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C167	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C168	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C169	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C170	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C171	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	

⚠Ref No.	Part No.	Part Name	Description	Local
C172	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C173	NDC31HJ-680X	C CAPACITOR	68pF 50V J	
C174	NDC31HJ-331X	C CAPACITOR	330pF 50V J	
C175	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C176	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C177	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C178	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C179	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C180	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C181	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C182	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C183	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C184	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C185	NDC31HJ-820X	C CAPACITOR	82pF 50V J	
C187	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C189	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C194	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C195	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C196	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C199	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C200	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C201	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C202	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C204	NCB11CK-475X	C CAPACITOR	4.7uF 16V K	
C206	NCB11CK-475X	C CAPACITOR	4.7uF 16V K	
C207	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C208	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C211	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C240	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C241	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C242	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C261	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C262	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C263	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C264	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C281	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C381	NDC31HJ-680X	C CAPACITOR	68pF 50V J	
C382	NDC31HJ-680X	C CAPACITOR	68pF 50V J	
C383	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C401	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C402	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C403	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C404	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C405	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C406	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C407	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C408	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C409	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C410	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C411	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C412	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C413	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C417	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C418	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C419	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C420	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C421	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C422	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C424	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C425	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C431	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C432	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C433	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C461	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C462	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C463	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C464	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C465	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C466	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C468	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C469	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C491	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C492	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C493	NEHL1CM-107X	E CAPACITOR	100uF 16V M	
C494	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C612	NEHL1CM-107X	E CAPACITOR	100uF 16V M	
C614	NENA1CM-475X	BP E CAPACITOR	4.7uF 16V M	
C615	NENA1CM-475X	BP E CAPACITOR	4.7uF 16V M	
C616	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C617	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C623	NCB21CK-184X	C CAPACITOR	0.18uF 16V K	
C624	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C625	NCB31HK-183X	C CAPACITOR	0.018uF 50V K	
C628	NCB31HK-123X	C CAPACITOR	0.012uF 50V K	
C629	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C630	NCB21CK-184X	C CAPACITOR	0.18uF 16V K	
C632	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C633	NCB31HK-822X	C CAPACITOR	8200pF 50V K	
C634	NCB31HK-822X	C CAPACITOR	8200pF 50V K	
C635	NCB31HK-681X	C CAPACITOR	680pF 50V K	

⚠Ref No.	Part No.	Part Name	Description	Local
C636	NCB31HK-681X	C CAPACITOR	680pF 50V K	
C638	NCB31EK-223X	C CAPACITOR	0.022uF 25V K	
C639	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C640	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C641	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C642	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C644	NEHL1EM-475X	E CAPACITOR	4.7uF 25V M	
C646	NEHL1EM-475X	E CAPACITOR	4.7uF 25V M	
C647	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C648	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C649	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C650	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C651	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C653	NCB31EK-223X	C CAPACITOR	0.022uF 25V K	
C654	NCB31CK-473X	C CAPACITOR	0.047uF 16V K	
C655	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C657	NEHL1EM-475X	E CAPACITOR	4.7uF 25V M	
C659	NEHL1EM-475X	E CAPACITOR	4.7uF 25V M	
C660	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C661	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C662	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C663	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C664	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C665	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C666	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C667	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C668	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C669	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C670	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C686	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C716	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C717	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C751	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C752	NEHL1HM-105X	E CAPACITOR	1uF 50V M	
C753	NEHL0GM-227X	E CAPACITOR	220uF 4V M	
C754	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C755	NEHL0GM-227X	E CAPACITOR	220uF 4V M	
C756	NEHL1HM-105X	E CAPACITOR	1uF 50V M	
C757	NEHL1HM-105X	E CAPACITOR	1uF 50V M	
C758	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C759	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C760	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C761	NEHL1AM-107X	E CAPACITOR	100uF 10V M	
C904	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C905	NEHM1CM-476X	E CAPACITOR	47uF 16V M	
C906	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C913	NEX51CM-335X	E CAPACITOR	3.3uF 16V M	
C914	NEX50JM-156X	E CAPACITOR	15uF 6.3V M	
C920	NEX50JM-156X	E CAPACITOR	15uF 6.3V M	
C3001	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C3002	NEHL1HM-106X	E CAPACITOR	10uF 50V M	
C3106	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3107	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3108	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C3109	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C3110	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C3111	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C3112	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C3113	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C3114	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C3115	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3116	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3117	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3118	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3119	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C3120	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C3121	NCB11AK-475X	C CAPACITOR	4.7uF 10V K	
C3122	NCB11AK-335X	C CAPACITOR	3.3uF 10V K	
C3123	NCB31HK-473X	C CAPACITOR	0.047uF 50V K	
C3124	NCB31HK-272X	C CAPACITOR	2700pF 50V K	
C3125	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C3126	NCB11AK-475X	C CAPACITOR	4.7uF 10V K	
C3127	NCB31HK-562X	C CAPACITOR	5600pF 50V K	
C3128	NCB31HK-123X	C CAPACITOR	0.012uF 50V K	
C3129	NCB11AK-475X	C CAPACITOR	4.7uF 10V K	
C3130	NCB11AK-475X	C CAPACITOR	4.7uF 10V K	
C3131	NCB11AK-475X	C CAPACITOR	4.7uF 10V K	
C3132	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C3133	NCB11AK-475X	C CAPACITOR	4.7uF 10V K	
C3134	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C3135	NCB11AK-475X	C CAPACITOR	4.7uF 10V K	
C3136	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C3137	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3155	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C3156	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
R101	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R102	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R103	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R104	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R105	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R106	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R110	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R111	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R112	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R120	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R121	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R122	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R140	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R141	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R142	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R143	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R144	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R145	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R146	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R147	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R150	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R153	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R154	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R157	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R158	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R159	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R160	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R161	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R164	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R165	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R166	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R167	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R168	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R169	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R181	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R183	NRSA63J-274X	MG RESISTOR	270kΩ 1/16W J	
R184	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R187	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R188	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R195	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R197	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R198	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R203	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R204	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R206	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R207	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R219	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R220	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R221	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R223	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R224	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R225	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R228	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R231	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R232	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R237	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R238	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R239	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R241	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R243	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R245	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R246	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R247	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R248	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R249	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R251	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R252	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R253	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R255	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R256	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R257	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R259	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R260	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R261	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R262	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R263	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R264	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R265	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R266	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R267	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R280	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R284	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R286	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R288	NRSA63J-820X	MG RESISTOR	82Ω 1/16W J	
R289	NRSA63J-820X	MG RESISTOR	82Ω 1/16W J	
R293	NRSA63J-820X	MG RESISTOR	82Ω 1/16W J	
R294	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R295	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R296	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R297	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R301	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R302	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R303	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R382	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R384	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R385	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R391	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R401	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R402	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R403	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R404	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R405	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R406	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R407	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R408	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R410	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R411	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R412	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R413	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R414	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R418	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R419	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R420	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R421	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R422	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R423	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R426	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R427	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R437	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R438	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R439	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R440	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R441	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R442	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R443	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R444	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
R461	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R464	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R467	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R475	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R476	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R491	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R584	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R585	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R588	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R589	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R591	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R592	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R621	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R622	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R623	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R624	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R625	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R626	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R634	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R635	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R636	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R638	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R639	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R640	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R642	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R644	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R647	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R649	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	
R650	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R651	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R652	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R654	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R674	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R675	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R687	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R694	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R695	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R696	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R700	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R702	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R703	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R704	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R718	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R719	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R720	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R723	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R751	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R752	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R755	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R756	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R757	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R758	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R759	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R760	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R761	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R764	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R765	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R768	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R769	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3001	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R3003	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3004	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3005	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3006	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R3007	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3018	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3119	NRSA63J-225X	MG RESISTOR	2.2MΩ 1/16W J	
R3122	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R3123	NRSA63J-302X	MG RESISTOR	3kΩ 1/16W J	
R3125	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R3126	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R3128	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R3129	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R3131	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	
R3132	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R3133	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R3167	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
L101	NQL79GM-100X	COIL	10uH M	
L902	NQL52EM-220X	COIL	22uH M	
L903	NQR0562-010X	CHOKE COIL		
L906	NQL52EM-220X	COIL	22uH M	
L3001	NQL79GM-4R7X	COIL	4.7uH M	
L3002	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
CN001	QGF0508C2-50W	CONNECTOR	FFC/FPC (1-50)	
CN002	QGF0508C2-40W	CONNECTOR	FFC/FPC (1-40)	
J401	QNZ0726-001	AV JACK	INPUT-1(S/V/L/R)	
J402	QNN0650-001	PIN JACK	INPUT-1(COMPONENT)	
J403	QNZ0726-001	AV JACK	INPUT-2(S/V/L/R)	
J405	QNN0651-001	PIN JACK	INPUT-3(V/L/R)	
J406	QNN0650-001	PIN JACK	INPUT-3(COMPONENT)	
J407	QNN0652-001	PIN JACK	FOR HDMI-1	
J410	QNZ0561-001	D CONNECTOR	PC IN	
J412	QNN0652-001	PIN JACK	AUDIO OUT	
K662	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K663	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
TU3001	QAU0467-001	TUNER		

OPTICAL P.W. BOARD ASS'Y (SFL-2501A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC2501	QNZ0727-001	OPT CONNECTOR	OPTICAL OUT	
C2501	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
R2501	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	

D-AMP P.W. BOARD ASS'Y (SFL-6301A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC6201	PQ20WZ11-X	IC		
IC6501	RC4558D-X	IC		
IC6621	LM393DR-X	IC		
IC6661	TDA8928ST/N1	IC		
Q6661	UN2112-X	DIGI TRANSISTOR		
Q6662	2SC1623A/5-6/-X	TRANSISTOR		
Q6663	UN2212-X	DIGI TRANSISTOR		
D6201	1SS355W-X	DIODE		
D6501	UDZW6.2B-X	Z DIODE		
D6663	UDZW3.3B-X	Z DIODE		
D6664	1SS355W-X	DIODE		
D6671	UDZW20B-X	Z DIODE		
D6672	UDZW20B-X	Z DIODE		
D6673	UDZW20B-X	Z DIODE		
D6674	UDZW20B-X	Z DIODE		
C6201	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C6202	NEHL1EM-336X	E CAPACITOR	33uF 25V M	
C6203	NEHL1EM-336X	E CAPACITOR	33uF 25V M	
C6204	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C6205	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C6501	NENA1CM-475X	BP E CAPACITOR	4.7uF 16V M	
C6502	NENA1CM-475X	BP E CAPACITOR	4.7uF 16V M	
C6503	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C6504	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C6505	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C6506	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C6507	NEHL1HM-105X	E CAPACITOR	1uF 50V M	
C6508	NEHL1HM-105X	E CAPACITOR	1uF 50V M	
C6601	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C6602	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C6621	NCB31HK-332X	C CAPACITOR	3300pF 50V K	
C6622	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6623	NEHL1EM-226X	E CAPACITOR	22uF 25V M	
C6624	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C6625	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6626	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C6627	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6628	NEHL1EM-226X	E CAPACITOR	22uF 25V M	
C6629	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C6630	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6631	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C6632	NCB31HK-332X	C CAPACITOR	3300pF 50V K	
C6661	NCB11EK-105X	C CAPACITOR	1uF 25V K	
C6662	NCB11EK-105X	C CAPACITOR	1uF 25V K	
C6663	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6664	QETN1HM-226Z	E CAPACITOR	22uF 50V M	
C6665	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6666	QETN1HM-226Z	E CAPACITOR	22uF 50V M	
C6667	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6668	NCB31HK-561X	C CAPACITOR	560pF 50V K	
C6669	QFV21HJ-224Z	MF CAPACITOR	0.22uF 50V J	
C6670	QFVF1HJ-184Z	MF CAPACITOR	0.18uF 50V J	
C6671	NCB31HK-153X	C CAPACITOR	0.015uF 50V K	
C6672	QETN1EM-477Z	E CAPACITOR	470uF 25V M	
C6673	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6674	QETN1EM-477Z	E CAPACITOR	470uF 25V M	
C6675	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6676	NCB31HK-561X	C CAPACITOR	560pF 50V K	
C6677	NCB31HK-561X	C CAPACITOR	560pF 50V K	
C6678	QFV21HJ-224Z	MF CAPACITOR	0.22uF 50V J	
C6679	QFVF1HJ-184Z	MF CAPACITOR	0.18uF 50V J	
C6680	NCB31HK-153X	C CAPACITOR	0.015uF 50V K	
C6681	NCB31HK-561X	C CAPACITOR	560pF 50V K	
C6682	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6683	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6684	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6685	QETN1EM-477Z	E CAPACITOR	470uF 25V M	
C6686	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6687	QETN1EM-477Z	E CAPACITOR	470uF 25V M	
R6201	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6202	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R6203	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R6204	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R6205	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R6501	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R6502	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6503	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R6504	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R6505	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6506	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R6507	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R6601	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6602	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R6603	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6605	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6606	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R6607	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6621	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6622	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6623	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R6624	QRJ146J-102X	UNF C RESISTOR	1kΩ 1/4W J	
R6625	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6626	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R6627	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R6629	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R6630	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R6631	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6632	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R6633	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R6634	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6661	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6662	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6663	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
R6664	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6665	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
R6666	QRK126J-5R6X	UNF C RESISTOR	5.6Ω 1/2W J	
R6667	QRK126J-220X	UNF C RESISTOR	22Ω 1/2W J	
R6668	QRK126J-5R6X	UNF C RESISTOR	5.6Ω 1/2W J	
R6669	QRK126J-220X	UNF C RESISTOR	22Ω 1/2W J	
R6670	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R6671	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6673	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6674	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R6675	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R6676	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R6677	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6680	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6691	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
L6661	NQLC8CM-560X	COIL	56uH M	
L6662	NQLC8CM-560X	COIL	56uH M	
K6601	NQR0499-002X	FERRITE BEADS		
K6602	NQR0499-002X	FERRITE BEADS		
K6661	NQR0499-002X	FERRITE BEADS		
K6662	NQR0499-002X	FERRITE BEADS		
K6663	NQR0499-002X	FERRITE BEADS		
K6664	NQR0499-002X	FERRITE BEADS		

SW P.W. BOARD ASS'Y (SFL-7207A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
D7011	UDZW6.2B-X	Z DIODE		
C7011	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7012	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
R7011	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7012	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7013	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7014	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7015	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7016	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7017	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7701	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R7702	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R7703	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R7704	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R7705	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7706	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7709	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7712	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L7001	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L7002	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
J7001	QNS0051-001	3.5 JACK	HEADPHONE	
K7001	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
S7701	QSW0619-003Z	PUSH SWITCH	CH-	
S7702	QSW0619-003Z	PUSH SWITCH	CH+	
S7703	QSW0619-003Z	PUSH SWITCH	MENU	
S7704	QSW0619-003Z	PUSH SWITCH	INPUT	
S7705	QSW0619-003Z	PUSH SWITCH	VOL+	
S7706	QSW0619-003Z	PUSH SWITCH	VOL-	
S7707	QSW0619-003Z	PUSH SWITCH	POWER	

LED P.W. BOARD ASS'Y (SFL-8901A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC8951	S9648	PHOTO CONDUCTOR		
IC8952	GP1UM261RKVF	IR DETECT UNIT		
Q8905	RT1P440C-X	DIGI TRANSISTOR		
Q8906	RT1P440C-X	DIGI TRANSISTOR		
Q8907	RT1P440C-X	DIGI TRANSISTOR		
Q8908	RT1N241C-X	DIGI TRANSISTOR		
Q8909	RT1N241C-X	DIGI TRANSISTOR		
D8902	SEL5E20C-T	LED	POWER	
D8906	MA8068-X	Z DIODE		
D8907	MA8068-X	Z DIODE		
C8951	NEHL1EM-226X	E CAPACITOR	22uF 25V M	
C8952	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
R8914	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R8915	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R8916	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R8917	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R8929	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R8930	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R8931	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R8951	NRSA63J-334X	MG RESISTOR	330kΩ 1/16W J	
R8952	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R8953	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	
R8954	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R8955	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	

POWER P.W. BOARD ASS'Y (SFL-9048A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC9202	BA50BC0FP-X	IC		
IC9301	LM393DR-X	IC		
IC9501	STR-X6737M-F2	IC		
Q9001	2SC3928A/QR/-X	TRANSISTOR		
Q9503	2SC3928A/QR/-X	TRANSISTOR		
Q9505	2SC3928A/QR/-X	TRANSISTOR		
⚠D9001	D25XB60	BRIDGE DIODE		
D9002	MA111-X	SI DIODE		
D9201	D2SBA60	BRIDGE DIODE		
D9202	MA8047-X	Z DIODE		
D9301	MA8091/M/-X	Z DIODE		
D9302	MA111-X	SI DIODE		
D9501	MA111-X	SI DIODE		
D9502	MTZJ33B-T2	Z DIODE		
D9503	MA111-X	SI DIODE		
D9504	D1FL20U-X	SI DIODE		
D9505	D1FL20U-X	SI DIODE		
D9506	SARS01-T2	FR DIODE		
D9507	SARS01-T2	FR DIODE		
D9508	FR105GT-T3	SI DIODE		
D9509	RL2Z-LFC4	SI DIODE		
D9510	RL2Z-LFC4	SI DIODE		
D9511	FMX-G22S	SI DIODE		
D9512	FMX-G22S	SI DIODE		
D9513	FMX-G22S	SI DIODE		
D9514	FR105GT-T3	SI DIODE		
D9515	UTCTL431-T	IC		
D9516	MA3100/H/-X	Z DIODE		
D9517	MA3100/H/-X	Z DIODE		
D9518	MA111-X	SI DIODE		
D9519	MA8033-X	Z DIODE		
D9520	MA111-X	SI DIODE		
D9521	MA3100/H/-X	Z DIODE		
⚠C9001	QFZ9072-105	MM CAPACITOR	1uF AC250V K	
⚠C9002	QFZ9072-105	MM CAPACITOR	1uF AC250V K	
⚠C9007	QCZ9071-102	C CAPACITOR	1000pF AC400V M	
⚠C9008	QCZ9071-102	C CAPACITOR	1000pF AC400V M	
⚠C9012	QCZ9071-102	C CAPACITOR	1000pF AC400V M	
C9204	QEHR2EM-475Z	E CAPACITOR	4.7uF 250V M	
C9206	QEHR1HM-105Z	E CAPACITOR	1uF 50V M	
⚠C9209	QCZ9071-102	C CAPACITOR	1000pF AC400V M	
C9211	QECR1CM-477Z	E CAPACITOR	470uF 16V M	
C9212	QEHR1AM-337Z	E CAPACITOR	330uF 10V M	
C9213	QEHR1CM-107Z	E CAPACITOR	100uF 16V M	
C9215	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C9301	NEHM1HM-105X	E CAPACITOR	1uF 50V M	
C9302	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C9303	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C9304	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C9501	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C9502	QEHR1HM-335Z	E CAPACITOR	3.3uF 50V M	
C9503	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9504	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C9505	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C9506	QCZ0354-152Z	C CAPACITOR	1500pF 2kV K	
C9507	QEZ0599-108	E CAPACITOR	1000uF 200V M	
C9508	QFP32JK-332	PP CAPACITOR	3300pF 630V K	
C9509	QEHR1HM-336Z	E CAPACITOR	33uF 50V M	
C9518	QEHR2AM-226Z	E CAPACITOR	22uF 100V M	
C9519	QECQ1VM-128	E CAPACITOR	1200uF 35V M	
C9520	QECQ1VM-128	E CAPACITOR	1200uF 35V M	
C9521	QECQ1VM-128	E CAPACITOR	1200uF 35V M	
C9522	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C9523	QECQ1EM-188	E CAPACITOR	1800uF 25V M	
C9524	QECQ1EM-188	E CAPACITOR	1800uF 25V M	
C9525	QECR1EM-687Z	E CAPACITOR	680uF 25V M	
C9526	QECR1EM-687Z	E CAPACITOR	680uF 25V M	
C9527	QECR1EM-227Z	E CAPACITOR	220uF 25V M	
C9528	QECR1VM-227Z	E CAPACITOR	220uF 35V M	
C9529	QEHR1HM-105Z	E CAPACITOR	1uF 50V M	
C9530	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
⚠R9001	QRZ9046-105Z	C RESISTOR	1MΩ 1/2W K	
R9003	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R9004	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9006	QRF104K-1R0	UNF WW RESISTOR	1Ω 10W K	
R9201	NRS12BJ-563W	MG RESISTOR	56kΩ 1/2W J	
R9204	NRS12BJ-333W	MG RESISTOR	33kΩ 1/2W J	
⚠R9209	QRZ9046-685Z	C RESISTOR	6.8MΩ 1/2W K	
R9217	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R9301	NRS12BJ-332W	MG RESISTOR	3.3kΩ 1/2W J	
R9302	NRSA63D-472X	MG RESISTOR	4.7kΩ 1/16W D	
R9303	NRSA63D-472X	MG RESISTOR	4.7kΩ 1/16W D	
R9304	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R9305	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R9306	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R9501	NRS12BJ-224W	MG RESISTOR	220kΩ 1/2W J	
R9502	NRS12BJ-224W	MG RESISTOR	220kΩ 1/2W J	
R9503	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9504	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R9505	QRK126J-101X	UNF C RESISTOR	100Ω 1/2W J	
R9506	QRT029J-R18	MF RESISTOR	0.18Ω 2W J	
R9507	QRT029J-R18	MF RESISTOR	0.18Ω 2W J	
R9508	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R9509	QRL039J-220	OMF RESISTOR	22Ω 3W J	
R9510	QRE121J-564Y	C RESISTOR	560kΩ 1/2W J	
⚠R9512	QRE121J-470Y	C RESISTOR	47Ω 1/2W J	
R9513	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R9514	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R9515	QRG01GJ-821	OMF RESISTOR	820Ω 1W J	
R9516	QRG01GJ-821	OMF RESISTOR	820Ω 1W J	
R9517	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R9518	NRSA63D-273X	MG RESISTOR	27kΩ 1/16W D	
R9519	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R9520	NRSA63D-332X	MG RESISTOR	3.3kΩ 1/16W D	
R9521	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9525	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R9526	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R9527	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9528	QRL029J-152	OMF RESISTOR	1.5kΩ 2W J	
R9529	QRG01GJ-473	OMF RESISTOR	47kΩ 1W J	
R9531	NRS12BJ-102W	MG RESISTOR	1kΩ 1/2W J	
R9532	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R9533	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R9534	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
L9201	QQL26AM-5R6Z	CHOKE COIL	5.6uH M	
L9502	QQL26AM-5R6Z	CHOKE COIL	5.6uH M	
L9503	QQL26AM-5R6Z	CHOKE COIL	5.6uH M	
L9504	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
⚠T9201	QAL0724-001	POWER TRANSF		
⚠T9501	QQS0361-001	SW TRANSF		
⚠CP9201	QMFZ049-2R0-E	FUSE	2A 125V	
⚠CP9501	QMFZ049-5R0-E	FUSE	5A 125V	
⚠CP9502	QMFZ049-5R0-E	FUSE	5A 125V	
⚠CP9503	ICP-N70-T	IC PROTECTOR	2.5A	
⚠CP9504	ICP-N70-T	IC PROTECTOR	2.5A	
⚠CP9505	ICP-N70-T	IC PROTECTOR	2.5A	
⚠CP9506	QMFZ049-5R0-E	FUSE	5A 125V	
⚠F9001	QMF5AD2-6R3-J1	FUSE	6.3A AC250V	
K9202	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K9501	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J	
K9503	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J	
K9505	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J	
K9506	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J	
K9507	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J	
K9508	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J	
K9512	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K9513	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K9514	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K9515	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
⚠LF9001	QQR1467-001	LINE FILTER		
⚠LF9002	QQR1281-004	LINE FILTER		
⚠LF9003	QQR1514-001	LINE FILTER		
⚠PC9201	PS2581AL2/QW/-W	PHOTO COUPLER		
⚠PC9501	PS2581AL2/QW/-W	PHOTO COUPLER		
⚠RY9001	QSK0162-001	RELAY		
⚠VA9001	QAF0072-621	VARISTOR	620V	

DC-DC P.W. BOARD ASS'Y (SFL-9154A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC9601	MP2363DN-X	IC		
IC9602	MP2363DN-X	IC		
IC9701	MP2363DN-X	IC		
IC9751	MP2363DN-X	IC		
IC9801	MP2363DN-X	IC		
IC9851	PQ090DNA1Z-X	IC		
IC9852	PQ090DNA1Z-X	IC		
IC9901	PQ20WZ11-X	IC		
Q9601	2SC3928A/QR/-X	TRANSISTOR		
Q9651	2SC3928A/QR/-X	TRANSISTOR		
Q9801	2SC3928A/QR/-X	TRANSISTOR		
Q9904	2SB1188/QR/-W	TRANSISTOR		
Q9905	UN2213-X	DIGI TRANSISTOR		
D9601	EC30HA04-X	SB DIODE		
D9602	MA111-X	SI DIODE		
D9603	MA8030/H/-X	Z DIODE		
D9604	PTZ6.8B-X	Z DIODE		
D9605	EC30HA04-X	SB DIODE		
D9606	EC30HA04-X	SB DIODE		
D9652	EC30HA04-X	SB DIODE		
D9653	EC30HA04-X	SB DIODE		
D9654	PTZ16B-X	Z DIODE		
D9655	MA111-X	SI DIODE		
D9656	EC30HA04-X	SB DIODE		
D9701	EC30HA03L-X	SB DIODE		
D9702	EC30HA03L-X	SB DIODE		
D9703	PTZ3.9B-X	Z DIODE		
D9751	EC30HA03L-X	SB DIODE		
D9752	EC30HA03L-X	SB DIODE		
D9753	PTZ3.9B-X	Z DIODE		
D9801	EC30HA04-X	SB DIODE		
D9802	EC30HA04-X	SB DIODE		
D9803	MA111-X	SI DIODE		
D9804	PTZ6.8B-X	Z DIODE		
D9901	D1FS4-X	SB DIODE		
D9905	MA111-X	SI DIODE		
C9601	NCJ41HK-335X-U	C CAPACITOR	3.3uF 50V K	
C9602	NCJ41HK-335X-U	C CAPACITOR	3.3uF 50V K	
C9603	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9604	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C9605	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C9606	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C9607	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C9608	NCB31HK-332X	C CAPACITOR	3300pF 50V K	
C9610	NEHM1HM-105X	E CAPACITOR	1uF 50V M	
C9611	QEHR0JM-108Z	E CAPACITOR	1000uF 6.3V M	
C9651	NCJ41HK-335X-U	C CAPACITOR	3.3uF 50V K	
C9652	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9653	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K	
C9654	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K	
C9655	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K	
C9656	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C9657	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C9658	NCB31HK-332X	C CAPACITOR	3300pF 50V K	
C9660	NEX61CM-686X	E CAPACITOR	68uF 16V M	
C9662	NCJ41HK-335X-U	C CAPACITOR	3.3uF 50V K	
C9701	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K	
C9702	QEHR0JM-228Z	E CAPACITOR	2200uF 6.3V M	
C9703	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9704	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C9705	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C9706	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C9707	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9708	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C9751	NCB31CK-184X	C CAPACITOR	0.18uF 16V K	
C9752	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9753	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K	
C9754	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C9755	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C9756	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C9757	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9758	QEHR0JM-228Z	E CAPACITOR	2200uF 6.3V M	
C9801	NCJ41HK-335X-U	C CAPACITOR	3.3uF 50V K	
C9802	NCJ41HK-335X-U	C CAPACITOR	3.3uF 50V K	
C9803	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9804	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C9805	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C9806	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C9808	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C9809	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9810	QEHR0JM-108Z	E CAPACITOR	1000uF 6.3V M	
C9851	NEHM1EM-336X	E CAPACITOR	33uF 25V M	
C9852	NEHM1EM-336X	E CAPACITOR	33uF 25V M	
C9853	NEHM1EM-336X	E CAPACITOR	33uF 25V M	
C9854	NEHM1EM-336X	E CAPACITOR	33uF 25V M	
C9855	NCB21EK-334X	C CAPACITOR	0.33uF 25V K	
C9856	NCB21EK-334X	C CAPACITOR	0.33uF 25V K	
C9901	NEHM1EM-336X	E CAPACITOR	33uF 25V M	
C9902	NEHM1EM-336X	E CAPACITOR	33uF 25V M	
C9903	NCB11CK-475X	C CAPACITOR	4.7uF 16V K	
C9904	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C9911	NBZ0017-106X	SP E CAPACITOR	10uF 25V M	
C9972	NEHM0JM-107X	E CAPACITOR	100uF 6.3V M	
R9602	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9603	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R9604	NRSA63D-563X	MG RESISTOR	56kΩ 1/16W D	
R9605	NRSA63D-334X	MG RESISTOR	330kΩ 1/16W D	
R9606	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R9607	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R9608	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R9609	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R9610	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R9611	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9651	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R9652	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9653	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R9654	NRSA63D-224X	MG RESISTOR	220kΩ 1/16W D	
R9655	NRSA63D-274X	MG RESISTOR	270kΩ 1/16W D	
R9656	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R9657	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R9658	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R9659	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R9669	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R9670	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R9671	NRSA02J-332X	MG RESISTOR	3.3kΩ 1/10W J	
R9687	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9688	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9690	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9701	NRSA02J-181X	MG RESISTOR	180Ω 1/10W J	
R9703	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9704	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R9707	NRSA63D-273X	MG RESISTOR	27kΩ 1/16W D	
R9710	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R9751	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9752	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R9753	NRSA63D-223X	MG RESISTOR	22kΩ 1/16W D	
R9754	NRSA63D-104X	MG RESISTOR	100kΩ 1/16W D	
R9755	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R9756	NRSA02J-181X	MG RESISTOR	180Ω 1/10W J	
R9757	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R9801	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9802	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9803	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R9804	NRSA63D-563X	MG RESISTOR	56kΩ 1/16W D	
R9805	NRSA63D-274X	MG RESISTOR	270kΩ 1/16W D	
R9806	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R9807	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R9808	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R9809	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R9812	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9814	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9815	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R9852	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9901	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9902	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9903	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9910	NRSA63D-183X	MG RESISTOR	18kΩ 1/16W D	
R9914	NRSA63D-681X	MG RESISTOR	680Ω 1/16W D	
R9915	NRSA63D-682X	MG RESISTOR	6.8kΩ 1/16W D	
R9918	NRS12BJ-221W	MG RESISTOR	220Ω 1/2W J	
R9924	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9925	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9926	NRSA02J-222X	MG RESISTOR	2.2kΩ 1/10W J	
R9971	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9973	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9976	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
L9602	NQLC8CM-150X	COIL	15uH M	
L9651	NQR0562-003X	CHOKE COIL		
L9652	NQLC8CM-560X	COIL	56uH M	
L9701	NQLC8CM-150X	COIL	15uH M	
L9751	NQLC8CM-150X	COIL	15uH M	
L9802	NQLC8CM-150X	COIL	15uH M	
L9803	NQR0562-003X	CHOKE COIL		
L9972	NQR0562-003X	CHOKE COIL		

DIGITAL P.W. BOARD ASS'Y (SFL0D178A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC6001	JCC5068	IC		
IC6002	SN74LVC1G08V-X	IC		
IC6101	EDD1232AAFA-6B	IC		
IC6102	LP2996MR-X	IC		
IC6250	UPC5702GS-027-X	IC		
IC6251	R1170H331B-X	IC		
IC6502	THC63LVDM83R-W	IC		
IC6724	S-80928CLNB-G-W	IC		
IC6901	R1141Q331B-X	IC		
IC7033	CD74HC4094PW-X	IC		
IC7036	ADC081S021CIS-X	IC		
IC7201	39VF800A7IEKDB6	IC(MICRO C ROM)		
IC7203	M12L16161A-7TG	IC		
IC7204	S-80928CLNB-G-W	IC		
IC7601	M306V7MG-153FP	IC(MCU)		
IC7602	ATF16-32X667Z	IC(DIGITAL)	(SERVICE)	
IC7603	SN74AHCT1G08V-X	IC		
IC7604	SN74LVC1G04V-X	IC		
IC7605	MM1673XN-X	IC		
IC7606	MM1673XN-X	IC		
IC9001	MP2263DN-C053-X	IC		
IC9101	MM1662FT-X	IC		
IC9201	MP2263DN-C053-X	IC		
IC9301	MM1701CH-X	IC		
Q6201	2SA1530A/QR/-X	TRANSISTOR		
Q6202	2SA1530A/QR/-X	TRANSISTOR		
Q6203	2SA1022/BC/-X	TRANSISTOR		
Q6204	2SA1022/BC/-X	TRANSISTOR		
Q6205	2SA1022/BC/-X	TRANSISTOR		
Q6206	2SA1022/BC/-X	TRANSISTOR		
Q6207	2SC3837K/NP/-X	TRANSISTOR		
Q6208	2SC3837K/NP/-X	TRANSISTOR		
Q6209	2SC3837K/NP/-X	TRANSISTOR		
Q6210	2SC3837K/NP/-X	TRANSISTOR		
Q6211	2SC3837K/NP/-X	TRANSISTOR		
Q6212	2SC3837K/NP/-X	TRANSISTOR		
Q6213	2SC3837K/NP/-X	TRANSISTOR		
Q6214	2SC3837K/NP/-X	TRANSISTOR		
Q6250	2SC3928A/QR/-X	TRANSISTOR		
Q6251	2SC3928A/QR/-X	TRANSISTOR		
Q6501	2SC3928A/QR/-X	TRANSISTOR		
Q6502	2SC3928A/QR/-X	TRANSISTOR		
Q7032	RT1P441C-X	DIGI TRANSISTOR		
Q7033	RT1P441C-X	DIGI TRANSISTOR		
Q7034	RT1P441C-X	DIGI TRANSISTOR		
Q7501	RT1N441C-X	TRANSISTOR		
Q9501	RT1N441C-X	TRANSISTOR		
Q9502	2SC3928A/QR/-X	TRANSISTOR		
Q9503	2SC3928A/QR/-X	TRANSISTOR		
D6503	1SS355W-X	DIODE		
D7502	1SS355W-X	DIODE		
D9001	EC30HA03L-X	SB DIODE		
D9002	EC30HA03L-X	SB DIODE		
D9003	PTZ3.9B-X	Z DIODE		
D9201	EC30HA03L-X	SB DIODE		
D9202	EC30HA03L-X	SB DIODE		
D9203	PTZ3.9B-X	Z DIODE		
D9204	1SS355W-X	DIODE		
D9501	1SS355W-X	DIODE		
D9502	1SS355W-X	DIODE		
C6002	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6101	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C6103	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C6107	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C6109	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6111	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6112	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6113	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C6114	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6116	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C6117	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C6118	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C6119	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C6121	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C6122	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M	
C6123	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6124	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M	
C6125	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6126	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C6128	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C6130	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C6132	NEHL1EM-226X	E CAPACITOR	22uF 25V M	
C6133	NCB31CK-154X	C CAPACITOR	0.15uF 16V K	
C6134	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6135	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6139	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6205	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6211	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6217	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6218	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6219	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6220	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6227	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6228	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6229	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6236	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6237	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6238	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6239	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6240	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6241	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6242	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C6243	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6244	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C6245	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6246	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C6247	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6248	NCB31AK-105X	C CAPACITOR	1uF 10V K	

⚠Ref No.	Part No.	Part Name	Description	Local
C6249	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C6250	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6251	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6252	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6253	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6254	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6255	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6260	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C6261	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C6262	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C6263	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C6268	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6270	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6271	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6272	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6273	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6274	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6276	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6277	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6278	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6279	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6280	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6282	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6283	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6284	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6285	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6286	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6288	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6289	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6291	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6293	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6294	NBZ0007-107X	SP E CAPACITOR	100uF 4V M	
C6295	NBZ0007-107X	SP E CAPACITOR	100uF 4V M	
C6296	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6297	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6299	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6300	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6301	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6520	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6521	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6522	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6523	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6524	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6525	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6531	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6532	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6533	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C6573	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C6602	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6603	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6610	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6611	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6612	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6613	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6614	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6615	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6616	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6617	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6618	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6619	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6620	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6621	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6622	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6623	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6624	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6625	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6626	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6627	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6628	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6629	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6630	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6631	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6632	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6633	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6634	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6635	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6636	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6637	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6638	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6639	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6640	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6641	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6642	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6643	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6644	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6645	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6656	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6657	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6658	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6659	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6660	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6661	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6677	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6678	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6679	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6680	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6681	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6682	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6683	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6684	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6685	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6686	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6687	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6688	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6689	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6690	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6691	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6692	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6693	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6694	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6695	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6696	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6697	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6698	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6699	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6701	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C6723	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C6724	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C6901	NBZ0007-107X	SP E CAPACITOR	100uF 4V M	
C6902	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6903	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6904	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6905	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6906	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6907	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6908	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6909	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6910	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6911	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6912	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6913	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6914	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6915	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6916	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6917	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6918	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6919	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6921	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6922	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6923	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6924	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6925	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6926	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6927	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6928	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6929	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C7030	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C7031	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C7034	NCB31HK-153X	C CAPACITOR	0.015uF 50V K	
C7039	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C7040	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C7044	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7051	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7052	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7053	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7054	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7055	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7056	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7057	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7058	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7059	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7060	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7061	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7062	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7063	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7064	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7065	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7066	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7067	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7068	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7073	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7202	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7203	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7204	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7205	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7206	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7207	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7208	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7209	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7211	NCB31HK-102X	C CAPACITOR	1000pF 50V K	

⚠Ref No.	Part No.	Part Name	Description	Local
C7215	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C7501	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7506	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C7507	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C7508	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7510	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C7514	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C7515	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C7517	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C7601	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C7602	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7603	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7604	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C7605	NCB31HK-221X	C CAPACITOR	220pF 50V K	
C7606	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C7607	NCB31HK-681X	C CAPACITOR	680pF 50V K	
C7608	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7609	NCB31HK-681X	C CAPACITOR	680pF 50V K	
C7610	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C7611	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C7612	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C7615	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7616	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7617	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7618	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C7619	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C7620	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C7621	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C7631	NCB31AK-224X	C CAPACITOR	0.22uF 10V K	
C7632	NCB31AK-224X	C CAPACITOR	0.22uF 10V K	
C7633	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C9001	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C9002	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K	
C9003	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C9004	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9005	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C9006	NDC31HJ-120X	C CAPACITOR	12pF 50V J	
C9007	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9010	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C9101	NCB11CK-475X	C CAPACITOR	4.7uF 16V K	
C9103	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C9201	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C9202	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K	
C9204	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9205	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C9206	NDC31HJ-120X	C CAPACITOR	12pF 50V J	
C9207	NCB31HK-153X	C CAPACITOR	0.015uF 50V K	
C9208	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C9209	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9211	NCB31HK-473X	C CAPACITOR	0.047uF 50V K	
C9302	NCB11CK-475X	C CAPACITOR	4.7uF 16V K	
C9303	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9304	NCB11CK-475X	C CAPACITOR	4.7uF 16V K	
C9501	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C9502	NCB31CK-105X	C CAPACITOR	1uF 16V K	
R6002	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6003	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6008	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6009	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6014	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6017	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6018	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6019	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6020	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6073	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6074	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6075	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6080	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6101	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6102	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6103	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6104	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6105	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6106	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6107	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R6108	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R6109	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6110	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6111	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6112	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6113	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6114	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6115	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6116	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6117	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6118	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6119	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6120	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6121	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6122	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6127	NRSA63J-1R5X	MG RESISTOR	1.5Ω 1/16W J	
R6141	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6142	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6201	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6202	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6203	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6204	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6205	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R6207	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6209	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6214	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6215	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6216	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6217	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6220	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R6227	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R6228	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R6229	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R6230	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6231	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6232	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6233	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6234	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R6235	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6236	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R6237	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R6238	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6239	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R6240	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R6241	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6242	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R6243	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6244	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6245	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R6246	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R6247	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R6248	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R6249	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R6251	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6252	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6253	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6254	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R6255	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R6256	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6257	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6258	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R6259	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R6260	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6261	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6262	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R6263	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R6264	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6265	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6266	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R6267	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R6268	NRSA63D-242X	MG RESISTOR	2.4kΩ 1/16W D	
R6269	NRSA63D-242X	MG RESISTOR	2.4kΩ 1/16W D	
R6270	NRSA63D-242X	MG RESISTOR	2.4kΩ 1/16W D	
R6271	NRSA63D-242X	MG RESISTOR	2.4kΩ 1/16W D	
R6273	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6274	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6275	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6276	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6277	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R6279	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6280	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R6281	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6282	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R6283	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6284	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6285	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6286	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R6287	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R6288	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R6289	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6290	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6291	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R6292	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R6297	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6298	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6300	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6302	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6305	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6332	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6333	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6338	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6339	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6503	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R6521	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6522	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6523	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6524	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6525	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6529	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6532	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6533	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6534	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6535	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6537	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6538	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6539	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R6541	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6547	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6548	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6549	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6569	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6575	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6576	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6595	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R6596	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R6599	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R6607	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6609	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6611	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6707	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6712	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6713	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6730	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6731	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6732	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6921	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6922	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6923	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6924	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7031	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7032	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R7033	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7034	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7036	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7039	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7041	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R7042	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R7044	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7047	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7049	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7051	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7052	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7054	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7055	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7056	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7057	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7058	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7059	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7060	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R7061	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7062	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7063	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7064	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7065	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7066	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R7067	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R7068	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7069	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7072	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7077	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7078	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7081	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7084	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R7085	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R7086	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7087	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7088	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7089	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7091	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7092	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7093	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7094	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7095	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7097	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7098	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7099	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7100	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7103	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7106	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7109	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7112	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7113	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7123	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R7124	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7125	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7127	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7157	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7170	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7171	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7172	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7173	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7174	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7175	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7176	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7177	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7178	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7179	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7184	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7187	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7192	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7201	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7202	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7203	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7207	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7208	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7211	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7214	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7215	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7216	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7217	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7221	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7223	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7224	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7225	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7238	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7243	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7349	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7350	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7351	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7370	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7501	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7502	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7504	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R7505	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7512	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7513	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7514	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7515	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7601	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7602	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7603	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7604	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7605	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R7606	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R7607	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R7608	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R7611	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7612	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R7613	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7614	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7615	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7616	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7618	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7619	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7620	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7622	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7623	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7624	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7625	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7626	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7627	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7628	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R7631	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7632	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7634	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7635	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7643	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7644	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7646	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7649	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7658	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7659	NRSA63J-560X	MG RESISTOR	56Ω 1/16W J	
R7661	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7662	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R8796	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R8797	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R8798	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R8799	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9001	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9002	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9003	NRSA63D-273X	MG RESISTOR	27kΩ 1/16W D	
R9004	NRSA63J-684X	MG RESISTOR	680kΩ 1/16W J	
R9005	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	

⚠Ref No.	Part No.	Part Name	Description	Local
R9006	NRSA63J-512X	MG RESISTOR	5.1kΩ 1/16W J	
R9007	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9008	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9201	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9202	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9203	NRSA63D-302X	MG RESISTOR	3kΩ 1/16W D	
R9205	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R9206	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R9207	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9209	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9306	NCB21EK-102X	C CAPACITOR	1000pF 25V K	
R9308	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9501	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R9502	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R9503	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
R9504	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R9505	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9506	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R9507	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9508	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R9509	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9510	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
RA6001	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA6002	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA6007	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA6008	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA6009	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA6010	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA6011	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA6101	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
RA6102	NRZ0080-220X	NET RESISTOR	22Ω 1/16W J	
RA6103	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
RA6104	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
RA6105	NRZ0080-220X	NET RESISTOR	22Ω 1/16W J	
RA6106	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
RA6107	NRZ0080-220X	NET RESISTOR	22Ω 1/16W J	
RA6108	NRZ0080-220X	NET RESISTOR	22Ω 1/16W J	
RA6109	NRZ0040-470X	NET RESISTOR	47Ω 1/16W J x4	
RA6110	NRZ0080-470X	NET RESISTOR	47Ω 1/16W J	
RA6111	NRZ0040-470X	NET RESISTOR	47Ω 1/16W J x4	
RA6112	NRZ0040-470X	NET RESISTOR	47Ω 1/16W J x4	
RA6113	NRZ0080-470X	NET RESISTOR	47Ω 1/16W J	
RA6114	NRZ0040-470X	NET RESISTOR	47Ω 1/16W J x4	
RA6115	NRZ0080-470X	NET RESISTOR	47Ω 1/16W J	
RA6116	NRZ0080-470X	NET RESISTOR	47Ω 1/16W J	
RA6531	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA6541	NRZ0033-0R0W	NET RESISTOR	0Ω	
RA6542	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA6543	NRZ0033-0R0W	NET RESISTOR	0Ω	
RA6544	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA6545	NRZ0033-0R0W	NET RESISTOR	0Ω	
RA6546	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA7202	NRZ0080-473X	NET RESISTOR	47kΩ	
RA7203	NRZ0080-473X	NET RESISTOR	47kΩ	
RA7204	NRZ0080-473X	NET RESISTOR	47kΩ	
RA7205	NRZ0080-473X	NET RESISTOR	47kΩ	
RA7503	NQR0271-004X	EMI FILTER		
RA7601	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA7602	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA7603	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA7605	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA7606	NRZ0034-101W	NET RESISTOR	100Ω 1/32W J x4	
L6101	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L6102	NQL79GM-220X	COIL	22uH M	
L6103	NQL79GM-220X	COIL	22uH M	
L6115	NQR0499-001X	FERRITE BEADS		
L6254	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L6265	NQR0499-001X	FERRITE BEADS		
L6266	NQR0499-001X	FERRITE BEADS		
L6502	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L6521	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
L6522	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
L6523	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
L6531	NQR0199-007X	FERRITE BEADS		
L6701	NQR0413-003X	FERRITE BEADS		
L6911	NQR0499-001X	FERRITE BEADS		
L6912	NQR0499-001X	FERRITE BEADS		
L6922	NQL79GM-220X	COIL	22uH M	
L6924	NQL79GM-220X	COIL	22uH M	
L6925	NQL79GM-220X	COIL	22uH M	
L6931	NQR0499-001X	FERRITE BEADS		
L7501	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L7502	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L9001	NQLC8CM-150X	COIL	15uH M	
L9201	NQLC8CM-150X	COIL	15uH M	
L9306	NQR0351-003X	FERRITE BEADS		
CN001	QGF0508C2-50W	CONNECTOR	FFC/FPC (1-50)	
CN002	QGF0508C2-40W	CONNECTOR	FFC/FPC (1-40)	
J8501	NNZ0117-001	CONNECTOR	DIGITAL IN-1	
J8502	NNZ0117-001	CONNECTOR	DIGITAL IN-2	
K6250	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K6268	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K6271	NQR0499-001X	FERRITE BEADS		
K6272	NQR0499-001X	FERRITE BEADS		
K6274	NQR0499-001X	FERRITE BEADS		
K6921	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K7032	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K7033	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K7034	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K7202	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K7211	NQR0499-002X	FERRITE BEADS		
K7501	NQR0413-002X	FERRITE BEADS		
K7504	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K7601	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
LC6501	NQR0479-001X	EMI FILTER		
LC7505	NQR0483-005X	EMI FILTER	100uF 25V Z	
LC9303	NQR0483-005X	EMI FILTER	100uF 25V Z	
LC9305	NQR0483-005X	EMI FILTER	100uF 25V Z	
LC9307	NQR0483-005X	EMI FILTER	100uF 25V Z	
X6250	NAX0580-001X	CXO	27.0000MHz	
X7001	NAX0669-001X	C RESONATOR	6.000MHz	
X7601	NAX0613-001X	C RESONATOR	16.000MHz	

ATSC TUNER MODULE P.W. BOARD ASS'Y (SSD-2204A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
⚠MD001	SSD-2204A-M2	ATSC TUNER MODULE PWB		

PRINTED WIRING BOARD PARTS LIST [LT-32X787/Z]

SD CARD P.W. BOARD ASS'Y (SFL-1305A-M2)

REFER TO PARTS LIST IN PAGE 3-8 FOR THIS P.W. BOARD.

ANALOG P.W. BOARD ASS'Y (SFL-1311A-M2)

REFER TO PARTS LIST IN PAGE 3-8 FOR THIS P.W. BOARD.

OPTICAL P.W. BOARD ASS'Y (SFL-2501A-M2)

REFER TO PARTS LIST IN PAGE 3-11 FOR THIS P.W. BOARD.

D-AMP P.W. BOARD ASS'Y (SFL-6301A-M2)

REFER TO PARTS LIST IN PAGE 3-11 FOR THIS P.W. BOARD.

SW P.W. BOARD ASS'Y (SFL-7207A-M2)

REFER TO PARTS LIST IN PAGE 3-12 FOR THIS P.W. BOARD.

LED P.W. BOARD ASS'Y (SFL-8901A-M2)

REFER TO PARTS LIST IN PAGE 3-12 FOR THIS P.W. BOARD.

POWER P.W. BOARD ASS'Y (SFL-9048A-M2)

REFER TO PARTS LIST IN PAGE 3-12 FOR THIS P.W. BOARD.

DC-DC P.W. BOARD ASS'Y (SFL-9154A-M2)

REFER TO PARTS LIST IN PAGE 3-13 FOR THIS P.W. BOARD.

DIGITAL P.W. BOARD ASS'Y (SFL0D175A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC6001	JCC5068	IC		
IC6002	SN74LVC1G08V-X	IC		
IC6101	EDD1232AAFA-6B	IC		
IC6102	LP2996MR-X	IC		
IC6250	UPC5702GS-027-X	IC		
IC6251	R1170H331B-X	IC		
IC6502	THC63LVDM83R-W	IC		
IC6724	S-80928CLNB-G-W	IC		
IC6901	R1141Q331B-X	IC		
IC7033	CD74HC4094PW-X	IC		
IC7036	ADC081S021CIS-X	IC		
IC7201	39VF800A7IEKDB6	IC(MICRO C ROM)		
IC7203	M12L16161A-7TG	IC		
IC7204	S-80928CLNB-G-W	IC		
IC7601	M306V7MG-153FP	IC(MCU)		
IC7602	ATF16-32X787Z	IC(DIGITAL)	(SERVICE)	
IC7603	SN74AHCT1G08V-X	IC		
IC7604	SN74LVC1G04V-X	IC		
IC7605	MM1673XN-X	IC		
IC7606	MM1673XN-X	IC		
IC9001	MP2263DN-C053-X	IC		
IC9101	MM1662FT-X	IC		
IC9201	MP2263DN-C053-X	IC		
IC9301	MM1701CH-X	IC		
Q6201	2SA1530A/QR/-X	TRANSISTOR		
Q6202	2SA1530A/QR/-X	TRANSISTOR		
Q6203	2SA1022/BC/-X	TRANSISTOR		
Q6204	2SA1022/BC/-X	TRANSISTOR		
Q6205	2SA1022/BC/-X	TRANSISTOR		
Q6206	2SA1022/BC/-X	TRANSISTOR		
Q6207	2SC3837K/NP/-X	TRANSISTOR		
Q6208	2SC3837K/NP/-X	TRANSISTOR		
Q6209	2SC3837K/NP/-X	TRANSISTOR		
Q6210	2SC3837K/NP/-X	TRANSISTOR		
Q6211	2SC3837K/NP/-X	TRANSISTOR		
Q6212	2SC3837K/NP/-X	TRANSISTOR		
Q6213	2SC3837K/NP/-X	TRANSISTOR		
Q6214	2SC3837K/NP/-X	TRANSISTOR		
Q6250	2SC3928A/QR/-X	TRANSISTOR		
Q6251	2SC3928A/QR/-X	TRANSISTOR		
Q6501	2SC3928A/QR/-X	TRANSISTOR		
Q6502	2SC3928A/QR/-X	TRANSISTOR		
Q7032	RT1P441C-X	DIGI TRANSISTOR		
Q7033	RT1P441C-X	DIGI TRANSISTOR		
Q7034	RT1P441C-X	DIGI TRANSISTOR		
Q7501	RT1N441C-X	TRANSISTOR		
Q9501	RT1N441C-X	TRANSISTOR		
Q9502	2SC3928A/QR/-X	TRANSISTOR		
Q9503	2SC3928A/QR/-X	TRANSISTOR		
D6503	1SS355W-X	DIODE		
D7502	1SS355W-X	DIODE		
D9001	EC30HA03L-X	SB DIODE		
D9002	EC30HA03L-X	SB DIODE		
D9003	PTZ3.9B-X	Z DIODE		
D9201	EC30HA03L-X	SB DIODE		
D9202	EC30HA03L-X	SB DIODE		
D9203	PTZ3.9B-X	Z DIODE		
D9204	1SS355W-X	DIODE		
D9501	1SS355W-X	DIODE		
D9502	1SS355W-X	DIODE		
C6002	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6101	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C6103	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C6107	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C6109	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6111	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6112	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6113	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C6114	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6116	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C6117	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C6118	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C6119	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C6121	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C6122	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M	
C6123	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6124	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M	
C6125	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6126	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C6128	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C6130	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C6132	NEHL1EM-226X	E CAPACITOR	22uF 25V M	
C6133	NCB31CK-154X	C CAPACITOR	0.15uF 16V K	
C6134	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6135	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6139	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6205	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6211	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6217	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6218	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6219	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6220	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6227	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6228	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6229	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6236	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6237	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6238	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6239	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6240	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6241	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6242	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C6243	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6244	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C6245	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6246	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C6247	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6248	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C6249	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C6250	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6251	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6252	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6253	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6254	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6255	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6260	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C6261	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C6262	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C6263	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C6268	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	

⚠Ref No.	Part No.	Part Name	Description	Local
C6270	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6271	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6272	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6273	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6274	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6276	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6277	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6278	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6279	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6280	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6282	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6283	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6284	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6285	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6286	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6288	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6289	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6291	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6293	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6294	NBZ0007-107X	SP E CAPACITOR	100uF 4V M	
C6295	NBZ0007-107X	SP E CAPACITOR	100uF 4V M	
C6296	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6297	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6299	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6300	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6301	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6520	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6521	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6522	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6523	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6524	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6525	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6531	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6532	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6533	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C6573	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C6602	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6603	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6610	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6611	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6612	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6613	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6614	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6615	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6616	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6617	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6618	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6619	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6620	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6621	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6622	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6623	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6624	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6625	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6626	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6627	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6628	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6629	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6630	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6631	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6632	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6633	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6634	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6635	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6636	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6637	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6638	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6639	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6640	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6641	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6642	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6643	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6644	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6645	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6656	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6657	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6658	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6659	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6660	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6661	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6677	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6678	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6679	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6680	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6681	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6682	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6683	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6684	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6685	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6686	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	

⚠Ref No.	Part No.	Part Name	Description	Local
C6687	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6688	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6689	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6690	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6691	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6692	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6693	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6694	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6695	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6696	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6697	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6698	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6699	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6701	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C6723	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C6724	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C6901	NBZ0007-107X	SP E CAPACITOR	100uF 4V M	
C6902	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6903	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6904	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6905	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6906	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6907	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6908	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6909	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6910	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6911	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6912	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6913	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6914	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6915	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6916	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6917	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6918	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6919	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6921	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6922	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6923	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6924	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6925	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6926	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6927	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6928	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6929	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C7030	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C7031	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C7034	NCB31HK-153X	C CAPACITOR	0.015uF 50V K	
C7039	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C7040	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C7044	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7051	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7052	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7053	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7054	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7055	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7056	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7057	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7058	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7059	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7060	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7061	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7062	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7063	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7064	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7065	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7066	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7067	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7068	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7073	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7202	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7203	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7204	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7205	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7206	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7207	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7208	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7209	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7211	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C7215	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C7501	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7506	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C7507	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C7508	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7510	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C7514	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C7515	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C7517	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C7601	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C7602	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7603	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	

⚠Ref No.	Part No.	Part Name	Description	Local
C7604	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C7605	NCB31HK-221X	C CAPACITOR	220pF 50V K	
C7606	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C7607	NCB31HK-681X	C CAPACITOR	680pF 50V K	
C7608	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7609	NCB31HK-681X	C CAPACITOR	680pF 50V K	
C7610	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C7611	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C7612	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C7615	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7616	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7617	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7618	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C7619	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C7620	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C7621	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C7631	NCB31AK-224X	C CAPACITOR	0.22uF 10V K	
C7632	NCB31AK-224X	C CAPACITOR	0.22uF 10V K	
C7633	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C9001	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C9002	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K	
C9003	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C9004	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9005	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C9006	NDC31HJ-120X	C CAPACITOR	12pF 50V J	
C9007	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9010	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C9101	NCB11CK-475X	C CAPACITOR	4.7uF 16V K	
C9103	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C9201	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C9202	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K	
C9204	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9205	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C9206	NDC31HJ-120X	C CAPACITOR	12pF 50V J	
C9207	NCB31HK-153X	C CAPACITOR	0.015uF 50V K	
C9208	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C9209	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9211	NCB31HK-473X	C CAPACITOR	0.047uF 50V K	
C9302	NCB11CK-475X	C CAPACITOR	4.7uF 16V K	
C9303	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9304	NCB11CK-475X	C CAPACITOR	4.7uF 16V K	
C9501	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C9502	NCB31CK-105X	C CAPACITOR	1uF 16V K	
R6002	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6003	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6008	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6009	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6014	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6017	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6018	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6019	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6020	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6073	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6074	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6075	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6080	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6101	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6102	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6103	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6104	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6105	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6106	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6107	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R6108	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R6109	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6110	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6111	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6112	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6113	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6114	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6115	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6116	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6117	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6118	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6119	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6120	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6121	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6122	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6127	NRSA63J-1R5X	MG RESISTOR	1.5Ω 1/16W J	
R6141	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6142	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6201	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6202	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6203	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6204	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6205	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R6207	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6209	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R6214	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6215	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6216	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6217	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6220	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R6227	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R6228	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R6229	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R6230	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6231	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6232	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6233	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6234	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R6235	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6236	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R6237	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R6238	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6239	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R6240	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R6241	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6242	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R6243	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6244	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6245	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R6246	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R6247	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R6248	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R6249	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R6251	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6252	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6253	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6254	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R6255	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R6256	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6257	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6258	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R6259	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R6260	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6261	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6262	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R6263	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R6264	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6265	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6266	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R6267	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R6268	NRSA63D-242X	MG RESISTOR	2.4kΩ 1/16W D	
R6269	NRSA63D-242X	MG RESISTOR	2.4kΩ 1/16W D	
R6270	NRSA63D-242X	MG RESISTOR	2.4kΩ 1/16W D	
R6271	NRSA63D-242X	MG RESISTOR	2.4kΩ 1/16W D	
R6273	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6274	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6275	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6276	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6277	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R6279	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6280	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R6281	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6282	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R6283	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6284	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6285	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6286	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R6287	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R6288	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R6289	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6290	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6291	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R6292	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R6297	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6298	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6300	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6302	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6305	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6332	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6333	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6338	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6339	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6503	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6521	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6522	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6523	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6524	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6525	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6529	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6532	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6533	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6534	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6535	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6537	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6538	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R6539	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R6541	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6547	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6548	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6549	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6569	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6575	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6576	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6595	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R6596	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R6599	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R6607	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6609	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6611	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6707	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6712	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6713	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6730	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6731	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6732	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6921	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6922	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6923	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6924	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7031	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7032	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R7033	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7034	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7036	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7039	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7041	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R7042	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R7044	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7047	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7049	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7051	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7052	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7054	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7055	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7056	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7057	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7058	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7059	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7060	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R7061	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7062	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7063	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7064	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7065	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7066	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R7067	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R7068	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7069	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7072	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7077	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7078	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7081	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7084	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R7085	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R7086	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7087	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7088	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7089	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7091	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7092	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7093	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7094	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7095	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7097	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7098	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7099	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7100	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7103	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7106	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7109	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7112	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7113	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7123	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7124	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7125	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7127	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7157	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7170	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7171	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7172	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7173	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7174	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7175	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7176	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7177	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7178	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7179	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7184	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7187	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7192	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7201	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7202	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7203	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7207	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7208	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7211	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7214	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7215	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7216	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7217	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7221	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7223	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7224	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7225	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7238	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7243	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7349	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7350	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7351	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7370	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7501	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7502	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7504	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R7505	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7512	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7513	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7514	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7515	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7601	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7602	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7603	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7604	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7605	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R7606	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R7607	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R7608	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R7611	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7612	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R7613	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7614	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7615	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7616	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7618	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7619	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7620	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7622	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7623	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7624	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7625	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7626	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7627	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7628	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R7631	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7632	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7634	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7635	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7643	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7644	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7646	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7649	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7658	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7659	NRSA63J-560X	MG RESISTOR	56Ω 1/16W J	
R7661	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7662	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R8796	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R8797	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R8798	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R8799	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9001	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9002	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9003	NRSA63D-273X	MG RESISTOR	27kΩ 1/16W D	
R9004	NRSA63J-684X	MG RESISTOR	680kΩ 1/16W J	
R9005	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R9006	NRSA63J-512X	MG RESISTOR	5.1kΩ 1/16W J	
R9007	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9008	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9201	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9202	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9203	NRSA63D-302X	MG RESISTOR	3kΩ 1/16W D	
R9205	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R9206	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R9207	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9209	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9306	NCB21EK-102X	C CAPACITOR	1000pF 25V K	
R9308	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R9501	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R9502	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R9503	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
R9504	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R9505	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9506	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R9507	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9508	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R9509	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9510	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
RA6001	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA6002	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA6007	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA6008	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA6009	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA6010	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA6011	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA6101	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
RA6102	NRZ0080-220X	NET RESISTOR	22Ω 1/16W J	
RA6103	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
RA6104	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
RA6105	NRZ0080-220X	NET RESISTOR	22Ω 1/16W J	
RA6106	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
RA6107	NRZ0080-220X	NET RESISTOR	22Ω 1/16W J	
RA6108	NRZ0080-220X	NET RESISTOR	22Ω 1/16W J	
RA6109	NRZ0040-470X	NET RESISTOR	47Ω 1/16W J x4	
RA6110	NRZ0080-470X	NET RESISTOR	47Ω 1/16W J	
RA6111	NRZ0040-470X	NET RESISTOR	47Ω 1/16W J x4	
RA6112	NRZ0040-470X	NET RESISTOR	47Ω 1/16W J x4	
RA6113	NRZ0080-470X	NET RESISTOR	47Ω 1/16W J	
RA6114	NRZ0040-470X	NET RESISTOR	47Ω 1/16W J x4	
RA6115	NRZ0080-470X	NET RESISTOR	47Ω 1/16W J	
RA6116	NRZ0080-470X	NET RESISTOR	47Ω 1/16W J	
RA6531	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA6541	NRZ0033-0R0W	NET RESISTOR	0Ω	
RA6542	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA6543	NRZ0033-0R0W	NET RESISTOR	0Ω	
RA6544	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA6545	NRZ0033-0R0W	NET RESISTOR	0Ω	
RA6546	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA7202	NRZ0080-473X	NET RESISTOR	47kΩ	
RA7203	NRZ0080-473X	NET RESISTOR	47kΩ	
RA7204	NRZ0080-473X	NET RESISTOR	47kΩ	
RA7205	NRZ0080-473X	NET RESISTOR	47kΩ	
RA7503	NQR0271-004X	EMI FILTER		
RA7601	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA7602	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA7603	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA7605	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA7606	NRZ0034-101W	NET RESISTOR	100Ω 1/32W J x4	
L6101	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L6102	NQL79GM-220X	COIL	22uH M	
L6103	NQL79GM-220X	COIL	22uH M	
L6115	NQR0499-001X	FERRITE BEADS		
L6254	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L6265	NQR0499-001X	FERRITE BEADS		
L6266	NQR0499-001X	FERRITE BEADS		
L6502	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L6521	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
L6522	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
L6523	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
L6531	NQR0199-007X	FERRITE BEADS		
L6701	NQR0413-003X	FERRITE BEADS		
L6911	NQR0499-001X	FERRITE BEADS		
L6912	NQR0499-001X	FERRITE BEADS		
L6922	NQL79GM-220X	COIL	22uH M	
L6924	NQL79GM-220X	COIL	22uH M	
L6925	NQL79GM-220X	COIL	22uH M	
L6931	NQR0499-001X	FERRITE BEADS		
L7501	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L7502	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L9001	NQLC8CM-150X	COIL	15uH M	
L9201	NQLC8CM-150X	COIL	15uH M	
L9306	NQR0351-003X	FERRITE BEADS		
CN001	QGF0508C2-50W	CONNECTOR	FFC/FPC (1-50)	
CN002	QGF0508C2-40W	CONNECTOR	FFC/FPC (1-40)	
J8501	NNZ0117-001	CONNECTOR	DIGITAL IN-1	
J8502	NNZ0117-001	CONNECTOR	DIGITAL IN-2	
K6250	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K6268	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K6271	NQR0499-001X	FERRITE BEADS		
K6272	NQR0499-001X	FERRITE BEADS		
K6274	NQR0499-001X	FERRITE BEADS		
K6921	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K7032	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K7033	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K7034	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K7202	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K7211	NQR0499-002X	FERRITE BEADS		
K7501	NQR0413-002X	FERRITE BEADS		
K7504	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K7601	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
LC6501	NQR0479-001X	EMI FILTER		
LC7505	NQR0483-005X	EMI FILTER	100uF 25V Z	
LC9303	NQR0483-005X	EMI FILTER	100uF 25V Z	
LC9305	NQR0483-005X	EMI FILTER	100uF 25V Z	
LC9307	NQR0483-005X	EMI FILTER	100uF 25V Z	
X6250	NAX0580-001X	CXO	27.0000MHz	
X7001	NAX0669-001X	C RESONATOR	6.000MHz	
X7601	NAX0613-001X	C RESONATOR	16.000MHz	

ATSC TUNER MODULE P.W. BOARD ASS'Y (SSD-2204A-M2)

REFER TO PARTS LIST IN PAGE 3-18 FOR THIS P.W. BOARD.

PRINTED WIRING BOARD PARTS LIST [LT-32X887/Z]

SD CARD P.W. BOARD ASS'Y (SFL-1305A-M2)

REFER TO PARTS LIST IN PAGE 3-8 FOR THIS P.W. BOARD.

ANALOG P.W. BOARD ASS'Y (SFL-1311A-M2)

REFER TO PARTS LIST IN PAGE 3-8 FOR THIS P.W. BOARD.

OPTICAL P.W. BOARD ASS'Y (SFL-2501A-M2)

REFER TO PARTS LIST IN PAGE 3-11 FOR THIS P.W. BOARD.

D-AMP P.W. BOARD ASS'Y (SFL-6301A-M2)

REFER TO PARTS LIST IN PAGE 3-11 FOR THIS P.W. BOARD.

SW P.W. BOARD ASS'Y (SFL-7207A-M2)

REFER TO PARTS LIST IN PAGE 3-12 FOR THIS P.W. BOARD.

LED P.W. BOARD ASS'Y (SFL-8901A-M2)

REFER TO PARTS LIST IN PAGE 3-12 FOR THIS P.W. BOARD.

POWER P.W. BOARD ASS'Y (SFL-9048A-M2)

REFER TO PARTS LIST IN PAGE 3-12 FOR THIS P.W. BOARD.

DC-DC P.W. BOARD ASS'Y (SFL-9154A-M2)

REFER TO PARTS LIST IN PAGE 3-13 FOR THIS P.W. BOARD.

DIGITAL P.W. BOARD ASS'Y (SFL0D173A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC6001	JCC5068	IC		
IC6002	SN74LVC1G08V-X	IC		
IC6101	EDD1232AAFA-6B	IC		
IC6102	LP2996MR-X	IC		
IC6250	UPC5702GS-027-X	IC		
IC6251	R1170H331B-X	IC		
IC6502	THC63LVDM83R-W	IC		
IC6724	S-80928CLNB-G-W	IC		
IC6901	R1141Q331B-X	IC		
IC7033	CD74HC4094PW-X	IC		
IC7036	ADC081S021CIS-X	IC		
IC7201	39VF800A7IEKD74	IC(MICRO C ROM)		
IC7203	M12L16161A-7TG	IC		
IC7204	S-80928CLNB-G-W	IC		
IC7601	M306V7MG-153FP	IC(MCU)		
IC7602	ATF16-32X787Z	IC(DIGITAL)	(SERVICE)	
IC7603	SN74AHCT1G08V-X	IC		
IC7604	SN74LVC1G04V-X	IC		
IC7605	MM1673XN-X	IC		
IC7606	MM1673XN-X	IC		
IC9001	MP2263DN-C053-X	IC		
IC9101	MM1662FT-X	IC		
IC9201	MP2263DN-C053-X	IC		
IC9301	MM1701CH-X	IC		
Q6201	2SA1530A/QR/-X	TRANSISTOR		
Q6202	2SA1530A/QR/-X	TRANSISTOR		
Q6203	2SA1022/BC/-X	TRANSISTOR		
Q6204	2SA1022/BC/-X	TRANSISTOR		
Q6205	2SA1022/BC/-X	TRANSISTOR		
Q6206	2SA1022/BC/-X	TRANSISTOR		
Q6207	2SC3837K/NP/-X	TRANSISTOR		
Q6208	2SC3837K/NP/-X	TRANSISTOR		
Q6209	2SC3837K/NP/-X	TRANSISTOR		
Q6210	2SC3837K/NP/-X	TRANSISTOR		
Q6211	2SC3837K/NP/-X	TRANSISTOR		
Q6212	2SC3837K/NP/-X	TRANSISTOR		
Q6213	2SC3837K/NP/-X	TRANSISTOR		
Q6214	2SC3837K/NP/-X	TRANSISTOR		
Q6250	2SC3928A/QR/-X	TRANSISTOR		
Q6251	2SC3928A/QR/-X	TRANSISTOR		
Q6501	2SC3928A/QR/-X	TRANSISTOR		
Q6502	2SC3928A/QR/-X	TRANSISTOR		
Q7032	RT1P441C-X	DIGI TRANSISTOR		
Q7033	RT1P441C-X	DIGI TRANSISTOR		
Q7034	RT1P441C-X	DIGI TRANSISTOR		
Q7501	RT1N441C-X	TRANSISTOR		
Q9501	RT1N441C-X	TRANSISTOR		
Q9502	2SC3928A/QR/-X	TRANSISTOR		
Q9503	2SC3928A/QR/-X	TRANSISTOR		
D6503	1SS355W-X	DIODE		
D7502	1SS355W-X	DIODE		
D9001	EC30HA03L-X	SB DIODE		
D9002	EC30HA03L-X	SB DIODE		
D9003	PTZ3.9B-X	Z DIODE		
D9201	EC30HA03L-X	SB DIODE		
D9202	EC30HA03L-X	SB DIODE		
D9203	PTZ3.9B-X	Z DIODE		
D9204	1SS355W-X	DIODE		
D9501	1SS355W-X	DIODE		
D9502	1SS355W-X	DIODE		
C6002	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6101	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C6103	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C6107	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C6109	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6111	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6112	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6113	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C6114	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6116	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C6117	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C6118	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C6119	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C6121	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C6122	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M	
C6123	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6124	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M	
C6125	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6126	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C6128	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C6130	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C6132	NEHL1EM-226X	E CAPACITOR	22uF 25V M	
C6133	NCB31CK-154X	C CAPACITOR	0.15uF 16V K	
C6134	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6135	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6139	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6205	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6211	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6217	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6218	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6219	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6220	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6227	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6228	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6229	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6236	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6237	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6238	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6239	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6240	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6241	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6242	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C6243	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6244	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C6245	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6246	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C6247	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6248	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C6249	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C6250	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6251	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6252	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6253	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6254	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6255	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6260	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C6261	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C6262	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C6263	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C6268	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	

⚠Ref No.	Part No.	Part Name	Description	Local
C6270	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6271	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6272	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6273	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6274	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6276	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6277	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6278	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6279	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6280	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6282	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6283	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6284	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6285	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6286	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6288	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6289	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6291	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6293	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6294	NBZ0007-107X	SP E CAPACITOR	100uF 4V M	
C6295	NBZ0007-107X	SP E CAPACITOR	100uF 4V M	
C6296	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6297	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6299	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6300	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6301	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6520	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6521	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6522	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6523	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6524	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6525	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6531	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6532	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6533	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C6573	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C6602	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6603	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6610	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6611	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6612	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6613	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6614	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6615	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6616	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6617	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6618	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6619	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6620	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6621	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6622	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6623	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6624	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6625	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6626	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6627	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6628	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6629	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6630	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6631	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6632	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6633	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6634	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6635	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6636	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6637	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6638	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6639	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6640	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6641	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6642	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6643	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6644	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6645	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6656	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6657	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6658	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6659	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6660	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6661	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6677	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6678	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6679	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6680	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6681	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6682	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6683	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6684	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6685	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6686	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6687	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6688	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6689	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6690	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6691	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6692	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6693	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6694	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6695	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6696	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6697	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6698	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6699	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6701	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C6723	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C6724	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C6901	NBZ0007-107X	SP E CAPACITOR	100uF 4V M	
C6902	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6903	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6904	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6905	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6906	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6907	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6908	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6909	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6910	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6911	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6912	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6913	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6914	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6915	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6916	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6917	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6918	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6919	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6921	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6922	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6923	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6924	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6925	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6926	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6927	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6928	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6929	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C7030	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C7031	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C7034	NCB31HK-153X	C CAPACITOR	0.015uF 50V K	
C7039	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C7040	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C7044	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7051	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7052	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7053	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7054	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7055	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7056	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7057	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7058	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7059	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7060	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7061	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7062	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7063	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7064	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7065	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7066	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7067	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7068	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7073	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7202	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7203	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7204	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7205	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7206	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7207	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7208	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7209	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7211	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C7215	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C7501	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7506	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C7507	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C7508	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7510	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C7514	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C7515	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C7517	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C7601	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C7602	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7603	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	

⚠Ref No.	Part No.	Part Name	Description	Local
C7604	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C7605	NCB31HK-221X	C CAPACITOR	220pF 50V K	
C7606	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C7607	NCB31HK-681X	C CAPACITOR	680pF 50V K	
C7608	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7609	NCB31HK-681X	C CAPACITOR	680pF 50V K	
C7610	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C7611	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C7612	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C7615	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7616	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7617	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7618	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C7619	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C7620	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C7621	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C7631	NCB31AK-224X	C CAPACITOR	0.22uF 10V K	
C7632	NCB31AK-224X	C CAPACITOR	0.22uF 10V K	
C7633	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C9001	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C9002	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K	
C9003	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C9004	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9005	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C9006	NDC31HJ-120X	C CAPACITOR	12pF 50V J	
C9007	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9010	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C9101	NCB11CK-475X	C CAPACITOR	4.7uF 16V K	
C9103	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C9201	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C9202	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K	
C9204	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9205	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C9206	NDC31HJ-120X	C CAPACITOR	12pF 50V J	
C9207	NCB31HK-153X	C CAPACITOR	0.015uF 50V K	
C9208	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C9209	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9211	NCB31HK-473X	C CAPACITOR	0.047uF 50V K	
C9302	NCB11CK-475X	C CAPACITOR	4.7uF 16V K	
C9303	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9304	NCB11CK-475X	C CAPACITOR	4.7uF 16V K	
C9501	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C9502	NCB31CK-105X	C CAPACITOR	1uF 16V K	
R6002	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6003	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6008	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6009	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6014	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6017	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6018	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6019	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6020	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6073	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6074	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6075	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6080	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6101	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6102	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6103	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6104	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6105	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6106	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6107	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R6108	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R6109	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6110	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6111	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6112	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6113	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6114	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6115	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6116	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6117	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6118	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6119	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6120	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6121	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6122	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6127	NRSA63J-1R5X	MG RESISTOR	1.5Ω 1/16W J	
R6141	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6142	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6201	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6202	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6203	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6204	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6205	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R6207	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6209	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R6214	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6215	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6216	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6217	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6220	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R6227	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R6228	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R6229	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R6230	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6231	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6232	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6233	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6234	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R6235	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6236	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R6237	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R6238	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6239	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R6240	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R6241	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6242	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R6243	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6244	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6245	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R6246	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R6247	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R6248	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R6249	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R6251	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6252	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6253	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6254	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R6255	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R6256	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6257	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6258	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R6259	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R6260	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6261	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6262	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R6263	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R6264	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6265	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6266	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R6267	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R6268	NRSA63D-242X	MG RESISTOR	2.4kΩ 1/16W D	
R6269	NRSA63D-242X	MG RESISTOR	2.4kΩ 1/16W D	
R6270	NRSA63D-242X	MG RESISTOR	2.4kΩ 1/16W D	
R6271	NRSA63D-242X	MG RESISTOR	2.4kΩ 1/16W D	
R6273	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6274	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6275	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6276	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6277	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R6279	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6280	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R6281	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6282	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R6283	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6284	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6285	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6286	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R6287	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R6288	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R6289	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6290	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6291	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R6292	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R6297	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6298	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6300	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6302	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6305	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6332	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6333	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6338	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6339	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6503	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6521	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6522	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6523	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6524	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6525	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6529	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6532	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6533	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6534	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6535	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6537	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6538	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R6539	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R6541	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6547	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6548	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6549	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6569	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6575	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6576	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6595	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R6596	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R6599	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R6607	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6609	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6611	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6707	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6712	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6713	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6730	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6731	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6732	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6921	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6922	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6923	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6924	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7031	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7032	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R7033	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7034	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7036	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7039	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7041	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R7042	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R7044	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7047	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7049	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7051	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7052	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7054	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7055	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7056	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7057	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7058	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7059	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7060	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R7061	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7062	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7063	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7064	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7065	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7066	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R7067	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R7068	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7069	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7072	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7077	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7078	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7081	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7084	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R7085	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R7086	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7087	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7088	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7089	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7091	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7092	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7093	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7094	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7095	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7097	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7098	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7099	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7100	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7103	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7106	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7109	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7112	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7113	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7123	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7124	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7125	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7127	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7157	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7170	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7171	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7172	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7173	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7174	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7175	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7176	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7177	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7178	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7179	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7184	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7187	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7192	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7201	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7202	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7203	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7207	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7208	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7211	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7214	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7215	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7216	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7217	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7221	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7223	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7224	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7225	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7238	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7243	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7349	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7350	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7351	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7370	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7501	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7502	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7504	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R7505	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7512	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7513	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7514	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7515	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7601	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7602	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7603	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7604	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7605	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R7606	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R7607	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R7608	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R7611	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7612	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R7613	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7614	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7615	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7616	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7618	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7619	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7620	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7622	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7623	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7624	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7625	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7626	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7627	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7628	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R7631	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7632	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7634	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7635	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7643	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7644	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7646	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7649	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7658	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7659	NRSA63J-560X	MG RESISTOR	56Ω 1/16W J	
R7661	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7662	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R8796	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R8797	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R8798	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R8799	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9001	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9002	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9003	NRSA63D-273X	MG RESISTOR	27kΩ 1/16W D	
R9004	NRSA63J-684X	MG RESISTOR	680kΩ 1/16W J	
R9005	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R9006	NRSA63J-512X	MG RESISTOR	5.1kΩ 1/16W J	
R9007	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9008	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9201	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9202	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9203	NRSA63D-302X	MG RESISTOR	3kΩ 1/16W D	
R9205	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R9206	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R9207	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9209	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9306	NCB21EK-102X	C CAPACITOR	1000pF 25V K	
R9308	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R9501	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R9502	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R9503	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
R9504	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R9505	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9506	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R9507	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9508	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R9509	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9510	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
RA6001	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA6002	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA6007	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA6008	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA6009	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA6010	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA6011	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA6101	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
RA6102	NRZ0080-220X	NET RESISTOR	22Ω 1/16W J	
RA6103	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
RA6104	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
RA6105	NRZ0080-220X	NET RESISTOR	22Ω 1/16W J	
RA6106	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
RA6107	NRZ0080-220X	NET RESISTOR	22Ω 1/16W J	
RA6108	NRZ0080-220X	NET RESISTOR	22Ω 1/16W J	
RA6109	NRZ0040-470X	NET RESISTOR	47Ω 1/16W J x4	
RA6110	NRZ0080-470X	NET RESISTOR	47Ω 1/16W J	
RA6111	NRZ0040-470X	NET RESISTOR	47Ω 1/16W J x4	
RA6112	NRZ0040-470X	NET RESISTOR	47Ω 1/16W J x4	
RA6113	NRZ0080-470X	NET RESISTOR	47Ω 1/16W J	
RA6114	NRZ0040-470X	NET RESISTOR	47Ω 1/16W J x4	
RA6115	NRZ0080-470X	NET RESISTOR	47Ω 1/16W J	
RA6116	NRZ0080-470X	NET RESISTOR	47Ω 1/16W J	
RA6531	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA6541	NRZ0033-0R0W	NET RESISTOR	0Ω	
RA6542	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA6543	NRZ0033-0R0W	NET RESISTOR	0Ω	
RA6544	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA6545	NRZ0033-0R0W	NET RESISTOR	0Ω	
RA6546	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA7202	NRZ0080-473X	NET RESISTOR	47kΩ	
RA7203	NRZ0080-473X	NET RESISTOR	47kΩ	
RA7204	NRZ0080-473X	NET RESISTOR	47kΩ	
RA7205	NRZ0080-473X	NET RESISTOR	47kΩ	
RA7503	NQR0271-004X	EMI FILTER		
RA7601	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA7602	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA7603	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA7605	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA7606	NRZ0034-101W	NET RESISTOR	100Ω 1/32W J x4	
L6101	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L6102	NQL79GM-220X	COIL	22uH M	
L6103	NQL79GM-220X	COIL	22uH M	
L6115	NQR0499-001X	FERRITE BEADS		
L6254	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L6265	NQR0499-001X	FERRITE BEADS		
L6266	NQR0499-001X	FERRITE BEADS		
L6502	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L6521	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
L6522	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
L6523	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
L6531	NQR0199-007X	FERRITE BEADS		
L6701	NQR0413-003X	FERRITE BEADS		
L6911	NQR0499-001X	FERRITE BEADS		
L6912	NQR0499-001X	FERRITE BEADS		
L6922	NQL79GM-220X	COIL	22uH M	
L6924	NQL79GM-220X	COIL	22uH M	
L6925	NQL79GM-220X	COIL	22uH M	
L6931	NQR0499-001X	FERRITE BEADS		
L7501	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L7502	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L9001	NQLC8CM-150X	COIL	15uH M	
L9201	NQLC8CM-150X	COIL	15uH M	
L9306	NQR0351-003X	FERRITE BEADS		
CN001	QGF0508C2-50W	CONNECTOR	FFC/FPC (1-50)	
CN002	QGF0508C2-40W	CONNECTOR	FFC/FPC (1-40)	
J8501	NNZ0117-001	CONNECTOR	DIGITAL IN-1	
J8502	NNZ0117-001	CONNECTOR	DIGITAL IN-2	
K6250	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K6268	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K6271	NQR0499-001X	FERRITE BEADS		
K6272	NQR0499-001X	FERRITE BEADS		
K6274	NQR0499-001X	FERRITE BEADS		
K6921	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K7032	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K7033	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K7034	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K7202	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K7211	NQR0499-002X	FERRITE BEADS		
K7501	NQR0413-002X	FERRITE BEADS		
K7504	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K7601	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
LC6501	NQR0479-001X	EMI FILTER		
LC7505	NQR0483-005X	EMI FILTER	100uF 25V Z	
LC9303	NQR0483-005X	EMI FILTER	100uF 25V Z	
LC9305	NQR0483-005X	EMI FILTER	100uF 25V Z	
LC9307	NQR0483-005X	EMI FILTER	100uF 25V Z	
X6250	NAX0580-001X	CXO	27.0000MHz	
X7001	NAX0669-001X	C RESONATOR	6.000MHz	
X7601	NAX0613-001X	C RESONATOR	16.000MHz	

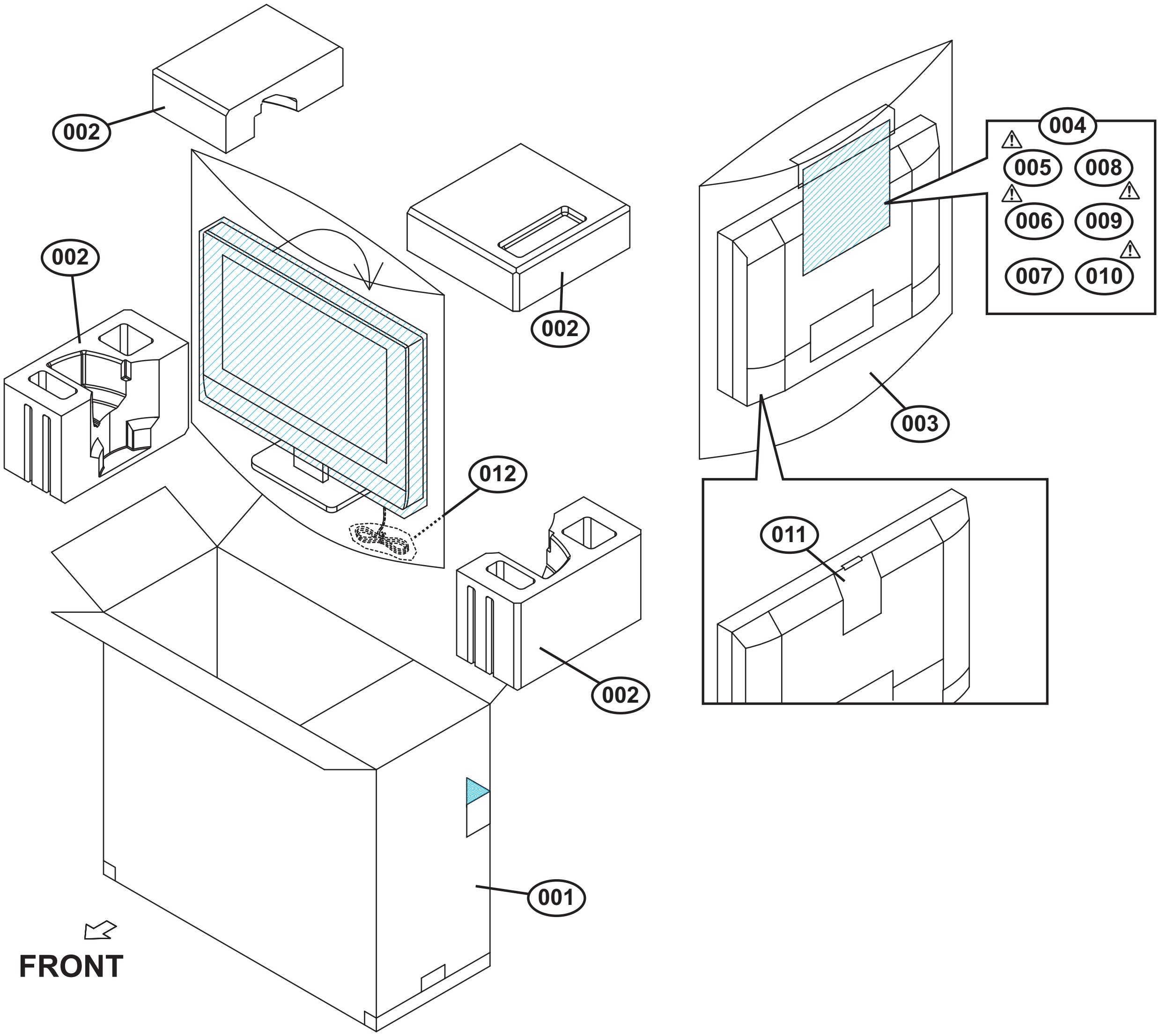
ATSC TUNER MODULE P.W. BOARD ASS'Y (SSD-2204A-M2)

REFER TO PARTS LIST IN PAGE 3-18 FOR THIS P.W. BOARD.

REMOTE CONTROL UNIT PARTS LIST (RM-C18G-1H)

⚠	Ref.No.	Part No.	Part Name	Description	Local
		UR77EC1403A	BATTERY COVER		

PACKING



PACKING PARTS LIST

⚠	Ref.No.	Part No.	Part Name	Description	Local
	001	LC10181-049A-A	PACKING CASE		
	002	LC12827-001A-A	CUSHION ASSY	4pcs in 1set	
	003	GG30097-004A-H	POLY BAG		
	004	QPA02503505P	POLY BAG	25cm x 35cm	
⚠	005	------------	WARRANTY CARD	BT-52006-2Q	
⚠	006	BT-51034-2Q	REGIST. CARD		
	007	------------	BATTERY	AA/R6(x2)	
	008	RM-C18G-1H	REMOTE CONTROL UNIT		
⚠	009	LCT2104-001A-A	INST BOOK	English	
⚠	010	LCT2105-001A-A	INST BOOK	French	
	011	LCT2111-001A-A	INST SHEET	English/French/Spanish	
	012	QPA01002305	POLY BAG	10cm x 23cm	